

# **Attachment 2**

# PHOTOGRAPH LOG

TAKEN BY: Cassidy Owen SITE LOCATION: Troy Chemical

**PHOTO** #: 1

### **COMMENTS:**

View of a 275-gallon tote labeled "material from filter." It was unclear if this was considered a hazardous waste. TVA readings above the tote were 1,850 ppm.



**DATE TAKEN:** 07/23/2019

TAKEN BY: Cassidy Owen SITE LOCATION: Troy Chemical

**PHOTO #:** 2

### **COMMENTS:**

View of a tote labeled "Rejected Batch FX40/0759." The EPA Inspection Team requested follow-up information from the facility as to the hazards associated with this batch.



TAKEN BY: Cassidy Owen SITE LOCATION: Troy Chemical

**PHOTO #:** 3

### **COMMENTS:**

View of the barcode and product name for the tote shown in photo #2.



**DATE TAKEN:** 07/23/2019

 TAKEN BY: Cassidy Owen
 SITE LOCATION: Troy Chemical

**PHOTO #:** 4

# **COMMENTS:**

View of a spent filter in a bucket located in Building 40. The EPA Inspection Team requested a hazardous waste profile for this material.



TAKEN BY: Cassidy Owen SIT

SITE LOCATION: Troy Chemical

**PHOTO #:** 5

### **COMMENTS:**

View of hazardous waste buckets in the 90-day storage area dated "12/28/18." Based on the date, the buckets had been in the 90-day storage area for 207 days.



**DATE TAKEN:** 07/23/2019

TAKEN BY: Cassidy Owen SITE LOCATION: Troy Chemical

**PHOTO #:** 6

# **COMMENTS:**

View of a fiber drum in the 90-day storage area with a large dent. The drum was labeled "Aminoacetic Acid."



**TAKEN BY:** Cassidy Owen SITE LOCATION: Troy Chemical

**PHOTO** #: 7

#### **COMMENTS:**

View of the 90-day storage area. The hazardous waste buckets and fiber drum from Photograph 5 and Photograph 6 are shown.



**DATE TAKEN:** 07/24/2019

**TAKEN BY:** Cassidy Owen SITE LOCATION: Troy Chemical

**PHOTO #:** 8

### **COMMENTS:**

View of a 55-gallon drum with significant corrosion on the south side of Building 71. A large portion of the drum was open and the drum was half-full of brownyellow liquid. The drum was labeled "Caustic Soda."



<b>DATE TAKEN:</b> 07/24/2019	
TAKEN BY: Cassidy Owen	SITE LOCATION: Troy Chemical
<b>PHOTO</b> #: 9	
COMMENTS:	
View of the "Caustic Soda" label	
for Photograph 8.	PADSTIC SODA BE

TAKEN BY: Cassidy Owen

PHOTO #: 10

COMMENTS:

Alternate view of a 55-gallon drum with significant corrosion on the south side of Building 71. A large portion of the drum was open, and the drum was half-full of brown-yellow liquid. The drum was labeled "Caustic Soda."

TAKEN BY: Cassidy Owen SITE LOCATION: Troy Chemical

**PHOTO** #: 11

# **COMMENTS:**

View of a tote labeled "Mother liquor with solids" on the south side of Building 71. The tote was also labeled as a flammable liquid. Facility representatives stated that this tote was filled from process tank T7119.



**DATE TAKEN:** 07/24/2019

**TAKEN BY:** Cassidy Owen **SITE LOCATION:** Troy Chemical

**PHOTO** #: 12

### **COMMENTS:**

View of the tote label "Mother liquor with solids" from photo #11.



TAKEN BY: Cassidy Owen SITE LOCATION: Troy Chemical

**PHOTO** #: 13

### **COMMENTS:**

View of a corroded 55-gallon drum with an open bung hole in the lid on the south side of Building 71. The drum was labeled "Atlas G-5000."



**DATE TAKEN:** 07/24/2019

TAKEN BY: Cassidy Owen SITE LOCATION: Troy Chemical

**PHOTO** #: 14

# **COMMENTS:**

View of the "Atlas G-5000" label for Photograph 13.



TAKEN BY: Cassidy Owen SITE LOCATION: Troy Chemical

**PHOTO** #: 15

### **COMMENTS:**

View of a corroded 55-gallon drum on the south side of Building 71. The drum was labeled "Sodium Hydroxide, Solid" and was on top of a pallet placed on other drums.



**DATE TAKEN:** 07/24/2019

TAKEN BY: Cassidy Owen SITE LOCATION: Troy Chemical

**PHOTO** #: 16

# **COMMENTS:**

View of two 55-gallon drums inside the QA Cage labeled "Unknown."



TAKEN BY: Cassidy Owen SITE LOCATION: Troy Chemical

**PHOTO** #: 17

#### **COMMENTS:**

View of the label for one of the yellow 55-gallon drums from Photograph 16. This label identifies the drum as containing "Fungitrol 404DS Fungicide;" however, another label on the drum indicated that its contents were unknown.



**DATE TAKEN:** 07/24/2019

TAKEN BY: Cassidy Owen SITE LOCATION: Troy Chemical

**PHOTO** #: 18

# **COMMENTS:**

View of a flammable liquid with heavy corrosion and bulging on top of the drum inside the QA Cage. Note that there was a pallet with additional 55-gallon drums stored on top of this drum.



**TAKEN BY:** Cassidy Owen SITE LOCATION: Troy Chemical

**PHOTO** #: 19

### **COMMENTS:**

View of four 55-gallon drums inside the QA Cage containing flammable liquids with heavy corrosion and bulging on top of the drums.



**DATE TAKEN:** 07/24/2019

**TAKEN BY:** Cassidy Owen **SITE LOCATION:** Troy Chemical

**PHOTO** #: 20

### **COMMENTS:**

View of four 55-gallon drums inside the QA Cage with duct-tape covering the lids. The label identified the contents of the drums as "Zinc Pyrithione."



ΓΑΚΕΝ BY: Cassidy Owen	SITE LOCATION: Troy Chemical
<b>PHOTO</b> #: 21	
COMMENTS:	
View of two fiber drums stored	
outside in the QA Cage.	MICROFEL COVE
Significant staining was observed	
on the outside of the drums.	

TAKEN BY: Cassidy Owen	SITE LOCATION: Troy Chemical
<b>PHOTO</b> #: 22	
COMMENTS:	Day consulton 5559 To page
View of a phone near the 90-day	3308
storage area without emergency	
contact information.	

TAKEN BY: Cassidy Owen

**SITE LOCATION:** Troy Chemical

**PHOTO #:** 23

#### **COMMENTS:**

View of two 55-gallon drums with unclear labels in Building 61. The drum on the left is labeled as a flammable liquid. It is both labeled with a product name (i.e., Mergal 174) and "waste". The drum on the right is also labeled "N-44" and "waste." The drum on the right was open and had a funnel inside of the lid.



**DATE TAKEN:** 07/24/2019

TAKEN BY: Cassidy Owen

**SITE LOCATION:** Troy Chemical

**PHOTO** #: 24

### **COMMENTS:**

View of an unlabeled, open 5-gallon container in Building 61 containing an unknown liquid. A nearby 5-gallon bucket was labeled "Dirty PF."



TAKEN BY: Cassidy Owen	SITE LOCATION: Troy Chemical
<b>PHOTO</b> #: 25	
COMMENTS:	liehe liehe
View of a 55-gallon drum (left)	RADOT MANUAL RADOT
inside Building 61 containing a flammable liquid. Note that the	
drum was not labeled with the	
name of the chemical contained.	The state of the s

TAKEN BY: Cassidy Owen

SITE LOCATION: Troy Chemical

PHOTO #: 26

COMMENTS:

View of two open, unlabeled buckets containing an unknown liquid inside Building 61.

TAKEN BY: Cassidy Owen SITE LOCATION: Troy Chemical

**PHOTO #:** 27

#### **COMMENTS:**

View of 55-gallon drums stored outside and uncovered in an area behind Building 61 that slopes toward a neighboring property.
There were 52 drums labeled "On Hold Pending Analysis."



**DATE TAKEN:** 07/24/2019

**TAKEN BY:** Cassidy Owen SITE LOCATION: Troy Chemical

**PHOTO** #: 28

# **COMMENTS:**

Alternate view of 55-gallon drums stored outside and uncovered in an area behind Building 61 that slopes toward a neighboring property. There were 52 drums labeled "On Hold Pending Analysis."



TAKEN BY: Cassidy Owen SITE LOCATION: Troy Chemical

**PHOTO** #: 29

### **COMMENTS:**

View of various chemicals in a cabinet inside of the small lab area. Lab personnel stated that these chemicals had not been used in two to three years.



**DATE TAKEN:** 07/24/2019

TAKEN BY: Cassidy Owen SITE LOCATION: Troy Chemical

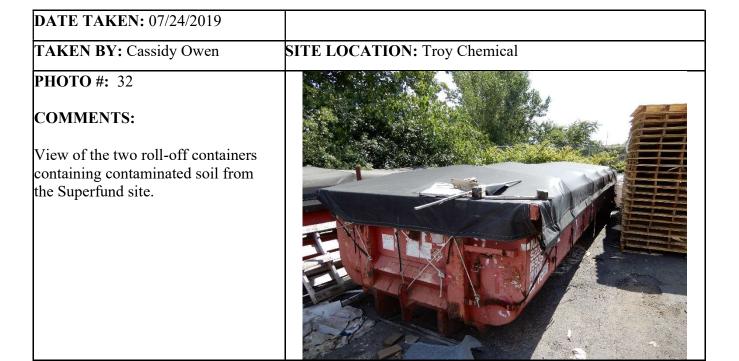
**PHOTO** #: 30

# **COMMENTS:**

View of two 55-gallon drums outside of Building 99 with labels stating, "Pending Analysis."



<b>DATE TAKEN:</b> 07/24/2019	
TAKEN BY: Cassidy Owen	SITE LOCATION: Troy Chemical
<b>PHOTO #:</b> 3	
COMMENTS:	
View of two unlabeled 55-gallon	
drums along the east perimeter	
fence of the facility.	



**TAKEN BY:** Cassidy Owen SITE LOCATION: Troy Chemical

**PHOTO** #: 33

**COMMENTS:** 

Another view of the two roll-off containers containing contaminated soil from the Superfund site.



**DATE TAKEN:** 07/24/2019

TAKEN BY: Cassidy Owen SITE LOCATION: Troy Chemical

**PHOTO** #: 34

**COMMENTS:** 

Close-up view of the hazardous waste label on the right roll-off container in Photograph 33. The information on the label was faded and unreadable.



TAKEN BY: Cassidy Owen SITE LOCATION: Troy Chemical

**PHOTO** #: 35

#### **COMMENTS:**

View of two containers labeled "Waste Drum" inside the old R&D Lab/Building 99. The containers were dated 6/12/2019 and no information on the contents or the hazards of the wastes in the containers was available.



**DATE TAKEN:** 07/24/2019

TAKEN BY: Cassidy Owen SITE LOCATION: Troy Chemical

**PHOTO** #: 36

# **COMMENTS:**

View of a small hazardous waste container inside the QA lab. The label only states "Organic HPLC Waste" and does not list the specific hazards.



**TAKEN BY:** Cassidy Owen SITE LOCATION: Troy Chemical

**PHOTO** #: 37

**COMMENTS:** 

View of additional small hazardous waste containers inside the QC lab. The labels do not list the specific hazards.



**DATE TAKEN:** 07/24/2019

TAKEN BY: Cassidy Owen SITE LOCATION: Troy Chemical

**PHOTO** #: 38

# **COMMENTS:**

View of the satellite accumulation area for lab waste located in the warehouse adjacent to the QA lab. Note that there were two 55-gallon drums labeled as containing hazardous waste but the contents of the drums and the hazards of the wastes were not identified on the label.



**TAKEN BY:** Cassidy Owen SITE LOCATION: Troy Chemical

**PHOTO** #: 39

**COMMENTS:** 

View of the universal waste storage area inside the Maintenance Building. Note that the lamps were not dated.



**DATE TAKEN:** 07/24/2019

TAKEN BY: Cassidy Owen SITE LOCATION: Troy Chemical

**PHOTO** #: 40

**COMMENTS:** 

View of a lamp inside the Maintenance Building that was found in a garbage container separate from the universal waste storage area.



TAKEN BY: Cassidy Owen SITE LOCATION: Troy Chemical

**PHOTO** #: 41

**COMMENTS:** 

View of a bag labeled "Glycine – store in a cool dry place" open and spilled on the ground near the south side of Building 71.



**DATE TAKEN:** 07/24/2019

TAKEN BY: Cassidy Owen SITE LOCATION: Troy Chemical

**PHOTO** #: 42

**COMMENTS:** 

Close-up view of the Glycine label from Photograph 41.



TAKEN BY: Cassidy Owen

SITE LOCATION: Troy Chemical

PHOTO #: 43

### **COMMENTS:**

View of a pallet of 5-gallon buckets near the south side of Building 71. The buckets contained various labels including "Unknown Pending Analysis" and "Selenium Dioxide." Note that the pallet did not appear stable.



**DATE TAKEN:** 07/24/2019

TAKEN BY: Cassidy Owen SITE LOCATION: Troy Chemical

PHOTO #: 44

### **COMMENTS:**

View of one bucket on the pallet from Photograph 43 labeled "Selenium Dioxide."



**TAKEN BY:** Cassidy Owen SITE LOCATION: Troy Chemical

**PHOTO** #: 45

**COMMENTS:** 

View of another bucket on the pallet from photo #43 labeled "Unknown Pending Analysis."



**DATE TAKEN:** 07/24/2019

**TAKEN BY:** Cassidy Owen **SITE LOCATION:** Troy Chemical

**PHOTO** #: 46

**COMMENTS:** 

View of a drum near the south side of Building 71 labeled "Waste Chemicals" and dated "1/10." It was not clear what chemicals were or the hazards associated with the chemicals.





Date: 12-14-18

NJDEP Hazardous Waste Regulation Program Manifest Section P.O. Box 420 Trenton, New Jersey 08625-0421

RE: Manifest Discrepancies

To Whom It May Concern:

Attached are manifest(s), which have a significant manifest discrepancy as defined in 40 CFR 264, or it is necessary to make you aware of another type of discrepancy. Corrections have been made in section 18 or 35.

Please contact me if you have any questions or require additional information. Sincerely

Nick Prevosti Regulatory Compliance Officer

Cc Generator

Troy Chemical Manifest Discrepancy One Avenue L Newark, NJ 07196

Form Approved. OMB No. 2050-0039

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1014	Generator's Name	-		-			
25.	Transporter Company Name			U.S. EPA ID 1	Number		
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DESIGNATED FACILITY TO GENERATOR

Ple	ase p	print or type.								Form	Approved	. OMB No.	2050-003
1		IIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Num		2.	2		-354-02	AD 1869 .	007	336	0 J.	JK
		Generator's Name and Mailir				Gen	erator's Site Address	(if different th	nan mailing addres	s)			
	Gen	Generator's Phone:  6. Transporter 1 Company Name U.S. EPA ID Number.											
											D./		
	7. 11	ransporter 2 Company Nam	e						U.S. EPA ID N	lumber			
		8. Designated Facility Name and Site Address 217 SOUTH FIRST STREET ELIZABETH, NJ 07206									46		
	1		355-5860								Α		
	9a. HM	10 11 0 11		hipping Name, Hazard Clas	ss, ID Number,		10. Conta	iners Type	11. Total Quantity	12. Unit Wt./Vol.	13.	Waste Code	es.
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Ĭ							011	171.1	1800	1	20.00.0		
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	4UN 1993 Weste Flammable Equids, n.o.s. (MINERAL X PG II					F(HS) 3	04	OM	1600	P		Just thusbern, much the control of the e	
	15. <b>GENERATOR'S/OFFEROR'S CERTIFICATION:</b> I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.  I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.											ary	
	Gene	erator's/Offeror's Printed/Typ	: ž	111 "		Signature	St.		`()().	2 .0	Mo	nth Day	4 5
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RANS	Trans	sporter 2 Printed/Typed Nan	ne			Signature	e				Mo	nth Day	Year
1	18. D	Discrepancy											
-	18a. I	Discrepancy Indication Spa	ce Quantit	у	Туре		Residue  Manifest Reference	a Number	Partial Reje	ection		Full Rej	ection
<b>VCILITY</b>	18b. /	Alternate Facility (or Genera	ator)				Manilest Reference	e ivumber.	U.S. EPA ID N	lumber			
DESIGNATED FACILITY		ity's Phone: Signature of Alternate Facili	ty (or Generator)							A SECTION OF THE SECT	Mo	onth Da	y Year
SIG	19. H	lazardous Waste Report Ma			ous waste treatme	nt, disposal, and	recycling systems)						
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		Designated Facility Owner or ed/Typed Name	Operator: Certification	n of receipt of hazardous r	naterials covered b	y the manifest e Signature	THE RESERVE THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.	m 18a			Mc	onth Day	Year
1	, mile	Jan . Jpod Hallio					-				- 1	l Day	1



# LAND DISPOSAL RESTRICTION NOTIFICATION AND CERTIFICATION FORM

**GENERATOR NAME: TROY CHEMICAL** 

EPA ID NUMBER: NJD002144517

**MANIFEST TRACKING NUMBER:** D10230

MANIFEST DOCUMENT NO.

020073360JJK

WORK ORDER:

9163

The EPA hazardous wastes identified below must be treated to applicable treatment standards set forth in 40 CFR 268.4

LINE	APPROVAL NO.	EPA WASTE NO.(S)	ww	SUB CATEGORY	UHC'S
1	FM1-18	D001, F003	NO		ř
2	FM1-103	D001	NO		
3	FM1-1	D001, F003, F005	NO		
4	FM1-41	D001	NO		
5	TWD-27	D002	NO		
7	TAD-29	D002	NO		
12	PC07-11	D004	NO		

I certify and warrant that the information that appears on this form, and appended documents, is true and correct. I have correctly indicated he my waste is to be managed in accordance with 40 CFR 268. My certification is based on personal examination of the information submitted, c based on my inquiries of those individuals responsible for obtaining the information.

Authorized Signature

Title & NV IRO NUENTAL Date 12/2

Ple	ase pri	int or type.							The same of the sa			MB No. 2050-003
$\bigcap$		FORM HAZARDOUS ASTE MANIFEST	1. Generator ID N NJD002		2	. Page 1 of 3. Eme	908-	354-021		350	umber 7286	JJK
	TO	enerator's Name and Mailin ROY CHEMICAL DNE AVENUE L NEWARK, NJ 07 1 Prator's Phone: 973-5		No. are		Generat	or's Site Address	(if different th	an mailing addres	s)		
		ansporter 1 Company Nam	Ap	ENVIR	MINE	Hal.	1176	3	U.S. EPA ID N	KO	0009	10667
		Name of the Control o										
	2 2 E	signated Facility Name an DYCLE CHEM, IN 17 SOUTH FIRS LIZABETH, NJ 0 ty's Phone: 908-3	C. TSTREET						U.S. EPAID N		46	
	9a. HM	Í	on (including Prope	r Shipping Name, Hazard (	Class, ID Number,		10. Conta No.	iners Type	11. Total Quantity	12. Unit Wt./Vol.	13. W	aste Codes
GENERATOR —	Х	UN 1325 Waste alcohol) 4.1 PG		solids, organic	n.o.s. (Xylen	e, ethyl	01	DM	50	p	D001	
GENE	Х	UN3265 Waste (ISOTHIAZOLIN		iquid, acidic, org	anic, n.o.s.		01		2000	P	D002	
	Х	HEAVY NAPTH	4) 3 PG III	liquids, n.o.s. (I			01	ρм	200	P	D001	
	X	4. UN3765 ORJENIC.	NOS.	CORROSIVO CISPANAZ	LIQUID, 8,	16IIL	01	DF	50	P	Doot	
	15. (	Profile#SSM-12 COYMAX ZIRCON GENERATOR'S/OFFERO marked and labeled/placar Exporter, I certify that the of certify that the waste mini rator's/Offeror's Printed/Typ	R'S CERTIFICATION  ded, and are in all ontents of this consideration statement	ON: I hereby declare that the spects in proper condition signment conform to the terms.	the contents of this con for transport according of the attached E	onsignment are fully a ding to applicable inte EPA Acknowledgmen	and accurately de ernational and na t of Consent.	escribed above tional government	e by the proper sh nental regulations.	ipping nam	e, and are class	ified, packaged, m the Primary
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	17. Tra	ansporter Acknowledgment	of Receipt of Mate	rials								
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TRANSPORTER	Transp	porter 2 Printed/Typed Nar	Den II			Signature	MORAL .	BUU	M		Month	h Day Year
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	Toa. D	3 - 4) N	Qual	ntity	Туре	L	Residue  Ianifest Referenc	e Number	Partial Rej	ection		Full Rejection
ZII.	18b. A	Iternate Facility (or General	ator)			\	armest reference	o rvambor.	U.S. EPA ID N	lumber		
FACILITY	Facility	y's Phone:				\			I			
DESIGNATED		ignature of Alternate Facili	ty (or Generator)	hagainta atau hari a Amanaka Isaaba Ni-14 59 59 80 60 60						41	Mon	th Day Yea
SIGN	19. Ha	zardous Waste Report Ma	nagement Method	Codes (i.e., codes for haz	ardous waste treatm	ent, disposal, and red	cycling systems)					
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11	20.5	H141	Onorat 0	H121	io motoriale come.	by the manifest see	H061	m 18a	1-1-	<del>/_1</del>	170	8
		esignated Facility Owner or d/Typed Name	Operator: Certifica	auon or receiptiof hazardor	SALA	Signature	epi as noted in Ite	iii ioa	1/4	A.	Mont	th Day Year
EPA	Form	8700-22 (Rev. 12-17)	Previous edition	s are obsolete.	12		7/1	James	DESIGNA	TED F	ACILITY TO	GENERATO

PIE	ase p	rint or type.										m Approved.	OMB No.	2050-003
1		IFORM HAZARDOUS VASTE MANIFEST	1. Generator ID Nu NJD002			2. Page	1 of 3. Eme	ergency Respons	e Phone	4. Manifest	Tracking N	14 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	6 J.	JK
П		enerator's Name and Mailing	Address		MERCURAL CONTRACT PROPERTY OF THE STATE OF T		Genera			nan mailing addres	ss)	3 00000 40		
П		TROY CHEMICAL ONE AVENUE L												
П	14.4	NEWARK, NJ 071												
П		erator's Phone:	89-2500		The Market Committee of the Committee of									
П	0. 11	ansporter i Company Name								U.S. EPA ID I	Number			
П	7. Tra	ansporter 2 Company Name	Note that the control of the control		And in November Assessment					U.S. EPA ID N	Number			W
П		Parada Transporter and Service Parada								1	variibo:			
П	8. De	esignated Facility Name and	Site Address							U.S. EPA ID N	Number	When the control was provided		THE THE STREET
П		OYCLE CHEM, IN								NJEXX	)22000	46		
П		217 SOUTH FIRST ELIZABETH, NJ 07												
П	Facil	ity's Phone: 908-3	55-5800		:			7			· · · · · · · · · · · · · · · · · · ·			
П	9a.	9b. U.S. DOT Description and Packing Group (if an	(including Proper	Shipping Name, Hazar	rd Class, ID Num	ber,		10. Conta	iners	11. Total	12. Unit	13.1	Waste Code:	S
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1		3 N 1993 Waste	Hammable	liquids, n.o.s.	HYDROT	REALES	)-		^		0	0001		
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ı	14. S	ecial Handling Instructions and Additional Information Document D2 1049 Sa				19 Sales	Order 2	0753	1	i				
		rofite#SSM-12_TROYTHIX_150 ACS_DOTERG#133 _ 2												
	1)	Profite#SSM-12 TROYTHIX 150 ACS DOTERG#133 COMMAX ZIRCONIUM 6 DOTERG#128 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4											-M1-30	
					4-9	29 1) -/	1 - M	E REGIN	L JE	9N M	11 10	10 1	153	
1	1	marked and labeled/placarde	ed, and are in all re	spects in proper condi	ition for transport	according to	applicable inte	rnational and nat	scribed above ional governm	e by the proper shi nental regulations.	ipping name	e, and are clas ipment and La	sified, packa	aged, arv
		Exporter, I certify that the collicertify that the waste minim	ntents of this consid	anment conform to the	terms of the atta	ched EPA Acl	knowledament	of Consent.						,
		rator's/Offeror's Printed/Type		dentined in 40 CFR 20	12.21(a) (II I alli a	large quantity	Signature	(b) (III am a sma	all quantity get	nerator) is true.	)	Mon	th Day	Year
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	16. Int	ternational Shipments	Import to	IIS	7	Export fr	om II S	Port of en	tru/ovit:	CONTRACTOR AND THE SECOND PROPERTY OF THE SEC	7			11/
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ER		ansporter Acknowledgment o		als										
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RA	Transp	sorter 2 i intear i ypea riaine					Signature					Mon	th Day	Year
	18. Dis	screpancy								***************************************	***************************************			
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		,	Quanti	ity	Type		L	Residue		Partial Reje	ection	L	Full Reje	ction
1							Ma	anifest Reference	Number:					
	18b. A	Iternate Facility (or Generate	or)							U.S. EPA ID N	umber			
FACILITY														
- 1		y's Phone: ignature of Alternate Facility	(or Generator)	**************************************				***************************************				1.0	oth Dec	V
AIE	100. 3	ignature of Alternate Facility	(or Generator)									Mor	nth Day	Year
IGNAT	19. Ha	zardous Waste Report Mana	agement Method C	odes (i.e. codes for h	azardous wasto t	reatment dis	nosal and rea	veling eveteme)	-					
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		signated Facility Owner or C	perator: Certification	on of receipt of hazard	lous materials co	vered by the r	nanifest excep	ot as noted in Item	n 18a				Name of the Owner, where the Owner, which is the Owner, where the Owner, which is the Owner, where the Owner, which is the Owner, wh	
11	Printed	/Typed Name					Signature					Mon	th Day	Year
1						1						1	1	1

Form Approved. OMB No. 2050-0039 Please print or type. 4. Manifest Tracking Number 2. Page 1 of 3. Emergency Response Phone 1. Generator ID Number UNIFORM HAZARDOUS JJK WASTE MANIFEST NJD002144517 Generator's Site Address (if different than mailing address) 5. Generator's Name and Mailing Address ONE AVENUE NEWARK, NJ 07105 Generator's Phone: 9735892500 U.S. EPA ID Number 6. Transporter 1 Company Name U.S. EPA ID Number 7. Transporter 2 Company Name U.S. EPA ID Number 8. Designated Facility Name and Site Address CYCLE CHEM, INC. 217 SOUTH PIRST STREET NJD002200046 ELIZABETH, NJ 07206 Facility's Phone: 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, 10. Containers 12. Unit 13. Waste Codes and Packing Group (if any)) Wt./Vol. Quantity Type Division reservations of the first property of the second 1388 PF F005 F005 GENERATOR 2:Q, UN1993, Waste Hammable liquids, n.o.s. (NAPTHA, 1BUTOXY 2 PROPANOL), 3, III RQ, UN3267, Corrosive liquid, basic, organic, n.o.s. (HEXAHYDRO 13 5 (3 METHOXUPRONY L) TIRS TRIAZINE), 8, II D002 UN3265 Waste Conosine liquid, acidic, organic, n.o.s. (ISOTHIAZOLINIONES) 8 PG III 14. Special Handling Instructions and Additional Information | Uccument D12284 Sales Order 1)Profile#FM1-1 LAB WASTE DOT ERG#128 2)Profile#57450 TROYSOL 367 DOT ERG#128 3)Profile#TWD-224 TROYKVD C13 DOTERG#153 4)Profile#TAD-29 MERGAL 758 DOTERG#153 GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true. Day Year Generator's/Offeror's Printed/Typed Name 1661919 16. International Shipments Export from U.S Port of entry/exit: Import to U.S. Date leaving U.S. Transporter signature (for exports only): 17. Transporter Acknowledgment of Receipt of Materials TRANSPORTER Month Day Year Transporter 1 Printed/Typed Name Signature Month Transporter 2 Printed/Typed Name 18. Discrepancy 18a. Discrepancy Indication Space Residue Partial Rejection Full Rejection Quantity 0000 401010 Manifest Reference Number: U.S. EPA ID Number DESIGNATED FACILITY 18b. Alternate Facility (or Generator) Facility's Phone: Month Day Year 18c. Signature of Alternate Facility (or Generator) 19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) H121 20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Day Month Year

Printed/Typed Name

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4	UNIF	ORM HAZARDOUS WASTE MANIFEST	21. Generator ID Number	22. Page	23. Manif	est Tracking Nun	nber			
		(Continuation Sheet)	NJD002144517	2 of 2		0200	71933	JJK		
	24. G	enerator's Name TROY CHEMICA ONE AVENUE I MEWARK, NJ 0								U
	25. T	ransporter Company Name	2	econicipation and interest and application of the Andrew	A CONTRACTOR	U.S. EPA ID N	lumber			
	26. T	ransporter Company Name			NAME OF TAXABLE PARTY.	U.S. EPA ID N	lumber		i	
	27a. HM	27b. U.S. DOT Description (including Proper Shi and Packing Group (if any))	pping Name, Hazard Class, ID Number,	28. Contain No.	ers Type	29. Total Quantity	30. Unit Wt./Vol.	31. W	aste Codes	
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and a second second second second second	Х	6) PA-WHISCO-WasterCollege (PHGOPHARIC ACID-BULFM	Sive liquie, acidic, organic, n.a.e TURIC ACID), 6, L					9002		
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1	W	FORM HAZARDOUS /ASTE MANIFEST	1. Generator ID Number			2. Page 1 of	3. Emer	gency Respor	se Phone	4. Manifest		umber		JJK
	(						Generato	or's Site Addre	ss (if different t	han mailing addre	ss)			
	-	erator's Phone: ansporter 1 Company Name	3							U.S. EPA ID	Number		-	
	7. Tra	ansporter 2 Company Name								U.S. EPA ID I	Number			
	8. Des	signated Facility Name and	Site Address			***************************************				U.S. EPA JD.1	Number			
	5	17 SOUTH FIRS LIZABETH, NJ 01 908-3	ISTREET							MUU	¥22000	46		
11	Facilit	y's Phone:												
	9a. HM	9b. U.S. DOT Description and Packing Group (if an	n (including Proper Shipp y))	ing Name, Hazard Cl	ass, ID Number,		-	10. Conta	ainers Type	11. Total Quantity	12. Unit Wt./Vol.	13. \	Waste Co	odes
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1:	1) Profue FMT. 1 LAB WASTE DOT ERGM 28 2) Profus C13 DOT ERGM 153 4) Profue# FAD 20 MERGAL 758  [5] GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of marked and labeled/placarded, and are in all respects in proper condition for transport Exporter, I certify that the contents of this consignment conform to the terms of the attal I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a					ensignment ar	e fully and	ational and nat	ional governm	ental regulations.	pping name If export ship	, and are class oment and I a	sified, par m the Pri	ckaged, mary
G	enerat	tor's/Offeror's Printed/Typed	Name /		a) (if I am a large q	Signa		1	100	erator) is true.		Mont	h Da	
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		orter signature (for exports						Date leavi						
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Tra	anspoi	rter 2 Printed/Typed Name	Ü			Signa	ture		- 28			Month	n Da	y Year
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18	o. Alter	rnate Facility (or Generator	)				Manii	est Reference	Number:	U.S. EPA ID Nu	mber			
Fac	acility's Phone:									1				
180	. Sign	nature of Alternate Facility (	or Generator)				***************************************				TO THE PERSON NAMED IN COLUMN	Monti	h Da	y Year
19.	Hazar	rdous Waste Report Manag	ement Method Codes (i.	e., codes for hazardo	ous waste treatmen	nt. disposal a	nd recycli	na systems)	-					
1.3		Hosi	2.	H141		3.		121	***************************************	4.	H12	-gi		
20.	Desig	nated Facility Owner or Op	erator: Certification of re	ceipt of hazardous m	aterials covered by			s noted in Item	18a		***************************************	Menore and construct the second con-		
Leni	ieu/Ty	yped Name				Signat	ure			107		Month I	Day	Year

JNI	FORM HAZARDOUS WASTE MANIFEST	21. Generator ID Number		22. Page	23. Ma	nifest Tracking Nu	mber		d. OMB No	4
	(Continuation Sheet)	NJD002144517		2 01	2	020	07 1933	LLIK		
24. (	Generator's Name TROY CHEMIC/ ONE AVENUE I NEWARK, NJ IV							The second second second	WTMp.com/SPTMMAA-NAMA	
25.	Transporter Company Name					U.S. EPA ID	Number			Name and Address of the Owner, where
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б. 1	Transporter Company Name					U.S. EPAID	number			
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Form Approved. OMB No. 2050-0039

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1		IFORM HAZARDOUS VASTE MANIFEST	1. Generator ID Number NJD002144517	2. P	age 1 of 3. E	mergency Respons	e Phone -354-021	4. Manifest	Fracking N	276	8 JJ	K
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		Exporter, I certify that the c	contents of this consignment conform to the terms o mization statement identified in 40 CFR 262.27(a) (	f the attached EPA	Acknowledgm	ent of Consent.		T				´
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DESIGNATED FACILITY	100. 3	ngriature of Alternate Facilit	ty (or Generator)							Mo	nth Day	Year
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$ \uparrow$	UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number NJID002144517	2. Pag	e 1 of 3. Eme	ergency Respons	e Phone -354-021	4. Manifest	Tracking N	umber 276	3 JJI	K
	5. Generator's Name and Mailin  Generator's Phone:			Genera		CONTRACTOR OF THE PARTY OF THE	nan mailing addres	es)			
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	15. GENERATOR'S/OFFEROR marked and labeled/placard	R'S CERTIFICATION: I hereby declare that the ded, and are in all respects in proper condition for the total contents of this consignment conform to the term	contents of this consign	applicable inte	rnational and nat						
	I certify that the waste minir Generator's/Offeror's Printed/Typ	nization statement identified in 40 CFR 262.27	a) (if I am a large quanti	y generator) or Signature	(b) (if I am a sm	all quantity ge	nerator) is true.		Month	n Day	Year
1	16. International Shipments	n REILLEN		. "	ad Marin	Park.	- Adamstrang			1/41	1.03
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上	18. Discrepancy		3								
	18a. Discrepancy Indication Spac	Quantity	Туре		Residue	Number	Partial Reje	ection		Full Rejection	on
DESIGNATED FACILITY	18b. Alternate Facility (or General	tor)		IVI	anifest Reference	e Number.	U.S. EPA ID N	umber		Water training and the	
D FA	Facility's Phone: 18c. Signature of Alternate Facility	w/or Consisted				ALTERNATION ACTIVITIES					· · ·
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ESIG	19. Hazardous Waste Report Mar	nagement Method Codes (i.e., codes for hazard	lous waste treatment, dis	sposal, and rec	ycling systems)		[4.				
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	20. Designated Facility Owner or Printed/Typed Name	Operator: Certification of receipt of hazardous	materials covered by the	manifest excep	ot as noted in Iter	n 18a		-	Mont	n Day	Year
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# LAND DISPOSAL RESTRICTION NOTIFICATION AND CERTIFICATION FORM

**GENERATOR NAME: TROY CHEMICAL** 

EPA ID NUMBER: NJD002144517

**MANIFEST TRACKING NUMBER: D12284** 

MANIFEST DOCUMENT NO.

020071933JJK

WORK ORDER:

11546

The EPA hazardous wastes identified below must be treated to applicable treatment standards set forth in 40 CFR 268.4

LINE	APPROVAL NO.	<b>EPA WASTE NO.(S)</b>	WW	SUB CATEGORY	UHC'S
1	FM1-1	D001, F003, F005	NO		
2	57450	D001	NO	Ignitable Wastes (TOC>10%)	
4	TAD-29	D002	NO		
6	57425	D002	NO		
7	PC07-11	D004	NO		

I certify and warrant that the information that appears on this form, and appended documents, is true and correct. I have correctly indicated he my waste is to be managed in accordance with 40 CFR 268. My certification is based on personal examination of the information submitted, c based on my inquiries of those individuals responsible for obtaining the information.

Authorized Signature

Title MANAGER Date 3/14/19

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Plea	ase print or type. (Form designed for use on elite (12-pitch) typewriter.)	7		nent de les Barries par en en en en en			Approved, OMB No. 2050-0039
1	UNIFORM HAZARDOUS 1. Generator ID Number WASTE MANIFEST 1. Generator ID Number	19	nergency Response P	1-920		680	9929 <b>JJK</b>
	5. Generator's Name and Mailing Address ANCO Environmental Se 1 Russa Place	General Genera	ator's Sile Address (if		n mailing addres	s)	_
	Generator's Phone: 908-464-9200 Banketov Heights NJ 073	T .	Howark NJ 07				
	6. Transporter 1 Company Name	7 to th			U.S. EPAID N	umber A D (	02144517
	7. Transporter 2 Company Name		de de la discource de la discource de designation de la designation designation de la designation de l		U.S. EPA ID N		
	8. Designated Facility Name and Site Address Clean Earth of North 105 Jacobus Ave.	Jersey	adamining dia bisang mayakagita patunan abbah ngi 1966-bis diambah	na tino e en il divinazione ette meganismo productivi di	U.S. EPAID N	umber	
	Facility's Phone: 97 3444004 Kastray NJ 87032					M.	#3991291105
	9a. HM and Packing Group (if any))	Number,	10. Containe No.	Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
ATOR -	RQ, UN 1993, Waste Flammable liquid (DCct.F003), 3, PG-III	uids, n.o.s.	1	100 mg	1322	G	D901 F903
- GENERATOR	2.						
	3.						
	4.						
	14. Special Handling Instructions and Additional Information  Profiles: (1)173081066 - Order#: 171130 - Note						
	15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the cont marked and labeled/placarded, and are in all respects in proper condition for tre Exporter, I certify that the contents of this consignment conform to the terms of I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if	the attached EPA Acknowledge	nent of Consent.	ondi govoniii		nipping name i, If export shi	, and are classified, packaged, prnent and I am the Primary
	Generator's/Offeror's Printed/Typed Name	Signature	Me				Month Day Year
NTIL	16. International Shipments Import to U.S.  Transporter signature (for exports only):	Export from U.S.	Port of ent Date leaving				
ER	17. Transporter Acknowledgment of Receipt of Materials	Signature	. 4			AND DESCRIPTION OF THE PERSON	Month Day Year
TRANSPORTER	Transporter 1 Printed/Typed Name	Signature					Month Day Year
TRAN	Transporter 2 Printed/Typed Name	J					2/1/201/2
1	18. Discrepancy  18a, Discrepancy Indication Space Quantity	Туре	Residue		Partial Re	ejection	Full Rejection
 	18b. Alternate Facility (or Generator)	1	Manifest Reference	Number:	U.S. EPA ID	Number	
DESIGNATED FACILITY	Facility's Phone: RECEIVE	ED PENDING AND QUALIT	CONTR	OL		step e	Month Day Yea
NATED	18c. Signature of Alternale Facility (or Generator)				-		Month Day 16a
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	20. Designated Facility Owner or Operator: Certification of receipt of hazardous mat Printed/Typed Name  Bernice	e Mills Signati	execut as noted in Iter	18a / R.	ille		Month Day Year

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	15.	GENERATOR'S/OFFEROR'	S CERTIFICATION	ON: I hereby declare the	at the contents of this consigni	ment are fully	and accurately de	scribed above	by the proper sh	ipping nam	e, and are cl	assified, par	ckaged,
1	1	marked and labeled/placarde	ed, and are in all	respects in proper cond	lition for transport according to	applicable into	ernational and nat	ional governm	ental regulations	. If export sl	nipment and	I am the Pri	mary
		Exporter, I certify that the cor	ntents of this con-	signment conform to the	e terms of the attached EPA Ac 62.27(a) (if I am a large quantit	knowledgmen v denerator) o	it of Consent. r (h) (if Lam a sm	all quantity de	nerator) is true.				
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	5. Ge	enerator's Name and Mailing		Anna and An		Generato	r's Site Address	(if different th	an mailing addre	ss)			
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	15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this cons marked and labeled/placarded, and are in all respects in proper condition for transport according Exporter, I certify that the contents of this consignment conform to the terms of the attached EP/					cable inter vledgment	national and na of Consent.	tional governr	nental regulations	i. If export sl	e, and are o	d I am the Pr	imary
			nization statement identified in 40	CFR 262.27(a) (if I am a larg		Control Control Control	(b) (if I am a sm	nall quantity ge	enerator) is true.			Month Da	ay Year
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19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)	SIG	19. H	azardous Waste Report M	anagement Method	Codes (i.e., codes for	hazardous waste trea	atment, disposal, and	recycling systems)						
当 1. 2. 3. 4.	DES	1.			2.		3.			4.				
	1													
				r Operator: Certifica	ation of receipt of haza	rdous materials cover			em 18a				anth De-	V
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a		Printe	ed/Typed Name				Signature I	)				M !	untri Day I	rea
	1	20 0	lesignated Facility Owner	r Operator: Certifica	ation of receipt of haza	irdous materials cover	red by the manifest e	cept as noted in Ite	em 18a					
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a				The second secon								M	onth Day	Year
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a  Printed/Typed Name  Signature  Month Day	1	1					1					1	1	1



# LAND DISPOSAL RESTRICTION NOTIFICATION AND CERTIFICATION FORM

GENERATOR NAME: TROY CHEMICAL

EPA ID NUMBER: NJD002144517

**MANIFEST TRACKING NUMBER: D5829** 

MANIFEST DOCUMENT NO.

018892352JJK

WORK ORDER:

4861

The EPA hazardous wastes identified below must be treated to applicable treatment standards set forth in 40 CFR 268.40.

LINE	APPROVAL NO.	EPA WASTE NO.(S)	ww	UHC'S
1	R100-33	D001	NO	
3	R100-81	D002	NO	

I certify and warrant that the information that appears on this form, and appended documents, is true and correct. I have correctly indicated how
my waste is to be managed in accordance with 40 CFR 268. My certification is based on personal examination of the information submitted, or
based on my inquiries of those individuals responsible for obtaining the information.

Authorized Signature	Title	Date	

Ple	ase pr		ed for use on elite (12-pitch) type	writer.)						NAME AND ADDRESS OF THE OWNER, WHEN	n Approved	. OMB No.	2050-003
1	UNI	FORM HAZARDOUS	Generator ID Number		2. Page 1 of	3. Emerg	gency Response	Phone	4. Manifest			- 5%	11/
	W	VASTE MANIFEST			1			为机体	No. No. of the last of the las	Total Mark State	1235	J J1	JK
	5. Ge	enerator's Name and Mailing	Address	<b>.</b>		Generato	r's Site Address	(if different th	nan mailing addres	s)			***************************************
П		THOY CHEMICAL ONE AVENUE											
		NEWWYK, N.1071											
	Gene	erator's Phone:											
		ansporter 1 Company Name							U.S. EPA ID N	lumber			
	1	MONARCH	E NVIRONA	rathal					NIR	001	104	066	and a
		ansporter 2 Company Name	W W W Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y	100	***************************************				U.S. EPA ID N		- / 8	Carrie Carrie	
		anopones =py ,							1				
	9 De	esignated Facility Name and	Sita Addraes						U.S. EPA ID N	lumbor	-		
П	0. DE	esignated Facility Name and								iumber 12.200 K			
		247 SOUTH FIRS	ISIRLIT										
		ELL/ABETH LAUFE											
П	Facili	ity's Phone:	14.5 52.00										
	9a.		n (including Proper Shipping Name, Ha	azard Class, ID Number,		-	10. Contair	ners	11. Total	12. Unit	12	Waste Code	0
П	НМ	and Packing Group (if an	***			Γ	No.	Type	Quantity	Wt./Vol.	13.	waste Code	5
1		1.014 1.953 (48.46)	Flatimable liquity, it c	· (NEIIRANE)	SPIFE						1001	6003	5006
lo R	- 34						13 ming	DM	1400	P	ATTERNATION AND ADDRESS.		
18						1	6	6,0	1 100	ř.			
GENERATOR	-	2.017.024.15.05.65	Chrosive injust trave	Evorgivan, 14.00	s research	14					0002		
뜅	34	hybordossis				- 1	A 1	DF	500	P			
1							01		266	- I			
		3							<b>_</b>				
	e de la companya de l	3.											
											and the second s	a may nation and the second	
		4.											
											en un um promotoria de la con-		P
				Annual Control of the									7
	14. S	special Handling Instructions	and Additional Information	anent Doeve s	WHES LAG	GI 468	0-1						
Ш													
	1		SEVASTE EXTERNA	io Afforder	14/4	AUT IVE	AL BILL						
	15.	GENERATOR'S/OFFEROR	'S CERTIFICATION: I hereby declare	that the contents of this	consignment a	are fully ar	nd accurately des	scribed abov	e by the proper shi	ipping name	e, and are cla	ssified, pack	aged,
			ed, and are in all respects in proper co					onal governr	mental regulations.	If export sh	ipment and I	am the Prim	ary
			ntents of this consignment conform to nization statement identified in 40 CFF					Il quantity ge	enerator) is true				
		rator's/Offeror's Printed/Type	Jh.	zzoz.zr(a) (ii rain a larg		nature #	o) (ii i dili d olila	Tryadilaty ge	Midratory to true.		Mo	nth Day	Year
	-7	ACCOUNT OF THE PARTY OF THE PAR	AMKERI	9-20	1	111	add 1	10	V Va		15	1/2	to I want
4	16 In	iternational Shipments		range of			- 41h - 10 - 1	San	The same of the sa			2,000	116
INT'L			Import to U.S.	F	Export from U	I.S.	Port of ent						
-	-	sporter signature (for exports	CONTRACTOR OF THE PROPERTY OF		gyppciaerinen erannen erien one autura oven		Date leaving	ng U.S.:			No april material and a second se		
TRANSPORTER		ansporter Acknowledgment of			0.			-					
OR.	Irans	porter 1 Printed/Typed Name	' < , / <b>(</b> )		Sign	nature					Mor	nth Day	Year
SP(		200	e-MALLERO			la.						1 12	Kne
A	Trans	porter 2 Printed/Typed Name	9		Sign	nature					Moi	nth Day	Year
R													
1	18. Di	iscrepancy											
	18a. E	Discrepancy Indication Space	e Quantity	Туре			Residue		Partial Reje	oction		Full Reje	etion
			Cuantity	туре		_	1 Nesidue		Fallial Neje	CHOIT	i	rull Reje	Cuon
1						Mar	nifest Reference	Number:					
∠	18b. A	Alternate Facility (or Generate	or)			11100	most resorones	TOTAL STATE OF THE	U.S. EPA ID N	umber		-	
-AC	Eggilit	y's Phone:							1				
		Signature of Alternate Facility	(or Generator)		-			-			I Mo	nth Day	Year
A E		· g. · · · · · · · · · · · · · · · · · ·	(									1	1
GN	10.17	deus Most- Dt-t	agament Mathed C-d (i.e. a-1 )	as hozordous	mont dissess	and ran:	cling over			HERONOMER TOTAL BEAUTY			
DESIGNATED FACILITY	19. Ha	azardous waste Report Man	agement Method Codes (i.e., codes for	nazaruous waste treat		, and recy	unig systems)		T <sub>A</sub>				
	1.		۷.		3.				4.				
11													
	-		Operator: Certification of receipt of haz	zardous materials covere	-	and the same of th	as noted in Item	18a					-
	Printed	d/Typed Name			Sign	nature					Mo	nth Day	Year
+1					1						1	1	1



# LAND DISPOSAL RESTRICTION NOTIFICATION AND CERTIFICATION FORM

**GENERATOR NAME:** TROY CHEMICAL

EPA ID NUMBER: NJD002144517

**MANIFEST TRACKING NUMBER: D5828** 

MANIFEST DOCUMENT NO.

018892353JJK

WORK ORDER:

4861

The EPA hazardous wastes identified below must be treated to applicable treatment standards set forth in 40 CFR 268.40.

LINE	APPROVAL NO.	EPA WASTE NO.(S)	ww	UHC'S
1	FM1-1	D001, F003, F005	NO	
2	TWD-27	D002	NO	% FREE LIQUIDS, DESCRIPTION, DUMPABLE, PUMPABLI

I certify and warrant that the information that appears on this form, and appended documents, is true and correct. I have correctly indicated how
my waste is to be managed in accordance with 40 CFR 268. My certification is based on personal examination of the information submitted, or
based on my inquiries of those individuals responsible for obtaining the information.

Authorized Signature	Title	Date
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	Cycle Ch	iem, Inc.	General Chemical	Material Profile Sheet
	First Street	550 Industrial Dr.	133 Leland St.	Generator Number:-1
	, NJ 07206	Lewisberry, PA 17339	Framingham. MA 01701	
	8) 355-5800	Phone: (717) 938-4700	Phone: (508) 872-5000	Sales Code:
	355-0562	Fax: (717) 938-3301	Fax: (508) 875-5271	
A. Generator	The Later of the Control of the Cont			
Generator Name	TROY CHEMICAL		Generator USEPA ID NJD	002 144 517
Mailing Address		NEWARK NJ 071`96		
Site Address Generator Contac	SAME			
Generator Contac	DILL REILLET		Phone # 973-589-2500 Fax #	
Billing Address	Monarch Environm	ental, 108 East Lake Road, Woodstor	wn NJ 08098	w
Billing Contact	John Lazarus	,		£ 856-769-8740
Market Market Market State of the State of t				
Name of Waste	TROYSOL S367		Process Generating Waste Off	Spec / damaged
B. Physical C	haracteristics (	of Waste		C. Shipping Information
Color/Physical Des	Odor Present?:	Van Na William O	Specific Gravity: 0.95-0.97	Quantity: 0-5 Units: Drums
Physical State @ 7		Yes No Wastewater?:	☐ Yes ♣ No	Price:
▼ Single Phase		□ Solid □ Semi-solid	☐ Gas/Aerosol Loose Pack	Container: 55 gallon
☐ Bi-layered		☐ Liquid ☐ Sludge	□ Lab Pack	
9/ Sludge	0/ 61-1			
% Sludge Dumpable:	Yes □ No	olids % Solid/Debris _0'		
			Pourable: ★ Yes No	D. Transport Information
Flashpoint: □ <70°	° □ 70-100° № 10	01-141° □142-200° □>200° □	□ No Flash □ Exact	☐ CCI/GCC to Provide Transportation
Ignitable Solid: ☐ <2		01-9	Transit	Customer to Deliver to CCI/GCC
	<b>2.01</b> -3 2 3.	01-7	Exact	Customer to Deliver to end facility Via CCI/GCC
E. Chemical C	Composition			cendec
Description	o in position			D. M.
TROYSOL S367	100%			Range Maximu
Contains: Naptha				
1-butoxy2 propand				
Solvent Naptha <5% 1.2,4 Trimethyl benz				
2-Ethylhexanoic Aci		SDS ATT	TACHED.	
F. Regulatory	Information			
EPA Hazardous Wa		No USEPA Code(s): D001		
Applicable Subcate State Hazardous W		In State College Door		
		No State Code(s): D001 No Proper Shipping Name: WAS	TE EL AMMADI E LIQUIDO NO	C (Namel - 1 last - 2
Class: 3	I.D.	NO: UN1993	P.G.: III R.Q.: D00	
			lbs	17100
	ndling Conside	ration		
Project Codes:				
Special Handling: Special Handling:				
Special Pricing:				

IRCRA Reactive IRadioactive IEtiological ITSCA Regulated IPyrophoric None ENERATOR CERTIFIC material, and that all relevante does not conform to	vant information regarding known or stooth information regarding known or of the manifest or to such other locations ment, and costs associated with lost tirenerator. I hereby authorize CCI to ame e any approval.	PCB's Cyanides Phenolics Sulfides VOC's rmation submitted In uspected hazards In t this MPS then CCI s designated In writing	shall provide g by the Gen	notice of such condition erator. Generator agrees ceipt, handling, temporar	□ Is this waste characteristically hazardous (EPA Waste Codes D004-D043): □ Does this waste contain underlying hazardous constituents As defined In 40 CFR 268(2)(I) at at concentrations exceeding the UTS treatment standards? If yes, list In section C.  Delete, contains true and accurate descriptions and is representative of the waste ten disclosed. If CCI discovers; after having taken delivery of the waste, that any to the Generator and coordinate the return of the nonconforming waste to the po to reimburse CCI for all handling, packaging, clean-up and transportation costs o try storage and return of such nonconforming waste to point of origin or to such of full understanding that if any amendment or correction is performed. I will be
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### Cycle Chem, Inc. **General Chemical** Material Profile Sheet 217 South First Street 550 Industrial Dr. 133 Leland St. Generator Number:-1 Elizabeth, NJ 07206 Lewisberry, PA 17339 Framingham. MA 01701 Product Code: Phone: (908) 355-5800 Phone: (717) 938-4700 Phone: (508) 872-5000 Sales Code: Fax: (908) 355-0562 Fax: (717) 938-3301 Fax: (508) 875-5271 A. Generator Information Generator Name TROY CHEMICAL Generator USEPA ID NJD 002 144 517 Mailing Address ONE AVENUE L, NEWARK NJ 071'96 Site Address Generator Contact BILL REILLEY Phone # 973-589-2500 Fax# Billing Address Monarch Environmental, 108 East Lake Road, Woodstown NJ 08098 Billing Contact John Lazarus Phone # 856-769-9022 Fax # 856-769-8740 Name of Waste TETRA GUN BLUE AND RUST REMOVER Process Generating Waste Off Spec / damaged B. Physical Characteristics of Waste C. Shipping Information Color/Physical Description: Varies Specific Gravity: 1.19-1.24 Quantity: 0-5 Units: Drums Strong Incidental Odor Present: Yes No Wastewater?: ☐ Yes # No Price: Physical State @ 70°: Container: 55 gallon ☐ Solid ☐ Semi-solid ☐ Gas/Aerosol Loose Pack □ Powder ☐ Bi-layered ☐ Liquid ☐ Sludge ☐ Lab Pack % Suspended solids % Sludge % Solid/Debris 0% % Free Liquids 100% Pumpable: ₩ Yes No Pourable: ₩ Yes No D. Transport Information Flashpoint: $\square < 70^{\circ} \quad \square \ 70-100^{\circ} \quad \square \ 101-141^{\circ} \quad \square \ 142-200^{\circ} \quad \boxtimes > 200^{\circ}$ ☐ No Flash □ Exact ☐ CCI/GCC to Provide Transportation Ignitable Solid: ☐ Yes # No \* Customer to Deliver to CCI/GCC $\times < 2$ $\square 2.01-5$ $\Box 5.01-9$ $\square$ 9.01-12.4 $\square$ >12.5 $\square$ Exact Customer to Deliver to end facility Via CCI/GCC E. Chemical Composition Description Range Minimum Range Maximum TETRA GUN BLUE AND RUST REMOVER Contains: Phosphoric acid 25-50% 1-methoxy-2-propanol 5-10% Sulphuric acid 5-10% (2-methoxy-methylethoxy) propanol 5-10% Oxalic acid <3% SDS ATTACHED F. Regulatory Information EPA Hazardous Waste?: Yes No USEPA Code(s): D002 Applicable Subcategories: State Hazardous Waste?: \* Yes \( \subseteq \text{No State Code(s):} \) D002 D.O.T. Hazardous Waste?: \* Yes D No Proper Shipping Name: WASTE CORROSIVE LIQUIDS, ACIDIC, ORGANIC N.O.S. (phosphoric acid, sulphuric acid) I.D. NO: UN3265 P.G.: II R.Q.: D002/

G. Special Handling Consideration

Project Codes: Special Handling: Special Handling: Special Pricing:

		Accessor to be about the beauty of the broken			
H. Other Haza	rdous Characteristi	cs			
□RCRA Reactive □Radioactive □Etiological □TSCA Regulated □Pyrophoric ♣ None	□ Water Reactive □ Subject to Subpart FF Benzene □ Oxidizing □ Explosive	PCB's Cyanides Phenolics Sulfides VOC's	None	Actual	□ Is this waste characteristically hazardous (EPA Waste Codes D004-D043): □ Does this waste contain underlying hazardous constituents As defined In 40 CFR 268(2)(I) at at concentrations exceeding the UTS treatment standards? If yes, list In section C.
material, and that all releva waste does not conform to of origin as Set forth On the charges, damage to equipm	nt information regarding known or su the identification and description On e manifest or to such other locations ent, and costs associated with lost tine erator. I hereby authorize CCI to ame	uspected hazards In the this MPS then CCI sl designated In writing the incurred by CCI do	ne posession hall provide by the Gen uring the re	n of the Generator has be e notice of such condition terator. Generator agrees ceipt, handling, temporar	plete, contains true and accurate descriptions and is representative of the waste een disclosed. If CCI discovers: after having taken delivery of the waste, that any not the Generator and coordinate the return of the nonconforming waste to the point to reimburse CCI for all handling, packaging, clean-up and transportation costs or rry storage and return of such nonconforming waste to point of origin or to such othe full understanding that if any amendment or correction is performed, I will be
AUTHORIZED SIGNAT	TURE: BILL	Kall	ey	TITLE:	ENVIRONMENTAL DATE: 1/18/19

### Cycle Chem, Inc

217 South First Street

550 Industrial Dr. Elizabeth, NJ 07206 Lewisberry, PA 17339 Phone: (908) 355-5800 Phone: (717) 938-4700

Fax: (717) 938-3301



### Material Profile Sheet

ACCT #6700 **PROFILE NUMBER:8828** 

APPROVAL CODE: WR3

Α.	Generator	Int	orma	tion

Generator Name Mailing Address

TROY CHEMICAL

Site Address

ONE AVENUE L NEWARK, NJ 07105

Generator Contact

Billing Company

% Sludge %

Odor none

Flash Point 70

MONARCH ENVIRONMENTAL

108 EAST LAKE ROAD PO BOX 330 WOODSTOWN, NJ 08098

Billing Address Billing Contact

Phone #

Fax#

Generator EPA ID NJD002144517

Phone #

Quantity

Container Spec:

Name of Waste Polyphase 588

Process Generating Waste Damaged/ Out Of Date/ Off Spec

# B. Physical Characteristics of Waste

Specific Gravity 1.05

pII 5.1-9

Dumpable YES

% Suspended Solids %

% Solid/Debris % Pumpable NO

Color varies

% Liquid 100

Pourable NO

D. Transport Information CCI to Provide Transportation

C. Shipping Information

Customer to Deliver to CCI

Customer to Deliver to end facility Via CCI

E. Chemical Composition

Description (Range Total > or = 100%) or ppm 1, 3, 5- Triazine 2, 4 Diamine 0 0 3. Indo-2 Proprint Butyl Carbamate 15 25 9/10 Glycol Ether 60 80 4/0 5 15 N-Cyclorprovyl -N (Dimethylethyl) 8- Methylthio % Polyphase 588 Contains 0 0

### F. Regulatory Information

EPA Hazardous Waste?: YES

USEPA Code(s): D001

Applicable Subcategories:

State Regulated Waste?: NO

State Code(s):

D.O.T. Hazardous Waste?: Yes

Proper Shipping Name:

UN1993 Waste Flammable liquids, n.o.s. (GLYCOL ETHER) 3 PG III

Hazard Class/Division #: 3

UN/NA#: UN1993

Packing Group: III

RQ:

### G. Other Hazardous Characteristics

RCRA Reactive Radioactive Etiological TSCA Regulated **Pyrophoric** 

Water Reactive Subject to Subart FF Benzene Oxidizer Explosive

PCB's Cyanides Phenolics Sulfides VOC's

Is this waste characteristically hazardous (EPA Waste Codes D004-D043) Does this waste contain underlying hazardous constituents as defined in 40 CFR 268(2)(I) at concentrations exceeding the UTS treatment standards? If yes, list in Section E

GENERATOR CERTIFICATION: I hereby certify that all information submitted in this and attached documents is complete, contains true and accurate descriptions and is representative of the waste material, and that all relevant information regarding known or suspected hazards in the possession of the generator has been disclosed. If CCI discovers, after having taken delivery of the waste, that any waste does not conform to the identification and description on this MPS then CCI shall provide notice of such condition to the generator and coordinate the return of the non-conforming waste to the point of origin as set forth on the manifest or to such other locations designated in writing by the generator. Generator agrees to reimburse CCI for all handling, packaging, clean-up and transportation costs or charges, damage to equipment, and costs associated with lost time incurred by CCI during the receipt, handling, temporary storage and return of such non-conforming waste to point of origin or to such other location designated by generator. I hereby authorize QGL to amend and/or correct any information on the MPS with the full understanding that if any amendment or correction is performed, I will be

|--|

CV Approval:	Signature:	Date:	Form Code

Printed Name

### **Material Profile Sheet** General Chemical Cycle Chem, Inc. 133 Leland St. Generator Number:-1 217 South First Street 550 Industrial Dr. Product Code: Elizabeth, NJ 07206 Lewisberry, PA 17339 Framingham. MA 01701 Sales Code: Phone: (508) 872-5000 Phone: (908) 355-5800 Phone: (717) 938-4700 Fax: (508) 875-5271 Fax: (717) 938-3301 Fax: (908) 355-0562 A. Generator Information TROY CHEMICAL Generator USEPA ID NJD002144517 Generator Name ONE AVENUE L, NEWARK NJ 07105 Mailing Address Site Address SAME Phone # 973-589-2500 Generator Contact Bill Reilley Environmental Recovery Corporation 1076 Old Manheim Pike Lancaster, PA 17601 Billing Address Phone # 717-393-2627 Fax # Billing Contact Process Generating Waste Site Clean-up Name of Waste Refrigerators B. Physical Characteristics of Waste C. Shipping Information Quantity: \_\_\_\_ Units: Boxes Specific Gravity: 1.1 Color/Physical Description: Varies Price: Strong Incidental Odor Present?: Yes \* No ☐ Yes # No Wastewater?: Container: Physical State @ 70°: ☐ Single Phase ☐ Multilayered ☐ Solid ♣ Loose Pack ☐ Gas/Aerosol ☐ Semi-solid ☐ Lab Pack ☐ Bi-layered ☐ Powder ☐ Liquid ☐ Sludge % Suspended solids \_\_\_\_\_ % Solid/Debris 100% % Free Liquids \_\_\_\_ % Sludge Dumpable: ▼ Yes □ No Pumpable: □ Yes ▼ No Pourable: □ Yes ▼ No **D. Transport Information** Flashpoint: □<70° □ 70-100° □ 101-141° □ 142-200° □>200° ₩ No Flash □ Exact \_\_\_\_\_ ☐ CCI/GCC to Provide Transportation \* Customer to Deliver to CCI/GCC Ignitable Solid: ☐ Yes ☐ No ☐ Customer to Deliver to end facility Via □ 2.01-5 ★ 5.01-9 □ 9.01-12.4 □ >12.5 □ Exact \_\_\_\_\_ $\square$ <2 pH: CCI/GCC E. Chemical Composition Range Minimum Range Maximum Description 100% Refrigerators F. Regulatory Information EPA Hazardous Waste?: □ Yes \* No USEPA Code(s): Applicable Subcategories: State Hazardous Waste?: ☐ Yes ☐ No State Code(s): D.O.T. Hazardous Waste?: ★ Yes □ No Proper Shipping Name: Universal Waste - Non-RCRA/non-DOT Regulated Class: \_\_\_\_\_ I.D. NO: \_\_\_\_\_ P.G.: \_\_\_\_ R.Q.: G. Special Handling Considerations

### H. Other Hazardous Characteristics □ Water Reactive □RCRA Reactive

☐ Is this waste characteristically hazardous None Actual (EPA Waste Codes D004-D043): PCB's ☐ Subject to Subpart Radioactive Does this waste contain underlying hazardous FF Benzene Cyanides □ Etiological constituents As defined In 40 CFR 268(2)(I) at Phenolics ☐TSCA Regulated ☐ Oxidizing at concentrations exceeding the UTS treatment Sulfides □ Pyrophoric ☐ Explosive standards? If yes, list In section C. VOC's 

GENERATOR CERTIFICATION: I hereby certify that all information submitted In this and attached documents is complete, contains true and accurate descriptions and is representative of the waste material, and that all relevant information regarding known or suspected hazards In the posession of the Generator has been disclosed. If CCI discovers; after having taken delivery of the waste, that any waste does not conform to the identification and description On this MPS then CCI shall provide notice of such condition to the Generator and coordinate the return of the nonconforming waste to the poir of origin as Set forth On the manifest or to such other locations designated In writing by the Generator. Generator agrees to reimburse CCI for all handling, packaging, clean-up and transportation costs or charges, damage to equipment, and costs associated with lost time incurred by CCI during the receipt, handling, temporary storage and return of such nonconforming waste to point of origin or to such other location designated by Generator. I hereby authorize CCI to amend and/or correct any information on the MPS with the full understanding that if any amendment or correction is performed, I will be

contacted As such to issue any approval.

Project Codes: Special Handling: Special Handling: Special Pricing:

# Cycie Cnem, Inc. 217 South First Street

Elizabeth, NJ 07206 Phone: (908) 355-5800

550 Industrial Dr. Lewisberry, PA 17339 Phone: (717) 938-4700

# General Chemical 133 Leland St.

Framingham. MA 01701 Phone: (508) 872-5000

Mater	ial	Pi	ofi	le	Sheet	
enerator	Nu	ml	er:	- 1		
v> .		-		-		

Product Code: Sales Code:

Fax: (908	3) 355-0562	Fax: (717) 938	3-3301	Fax: (508)	875-5271	Sures Code.
A. Generator	Information		CONTRACTOR OF THE PROPERTY OF		The state of the s	
Generator Name	TROY CHEMICAL			Generator USEPA I	D MID	
Mailing Address	Million and the second	NEWARK NJ 071 96		Otherator USEFA I	D NJD (	002 144 517
Site Address	SAME					
Generator Contac	H BILL REILLEY			Phone # 973-589-25	00 Fax#	
Billing Address	Managah Ungian			To the same of the		
Billing Contact	John Lazarus	ental, 108 East Lake Ro	ad. Woodste			
omittee	John Lazarus			Phone # 856-769-90	22 Fax #	856-769-8740
Name of Waste	TROYKYD C16	INTERNAL STREET OF STREET STREET, AND STREET STREET, AND STREET STREET, AND ST	Bridge Control of the	Decons C	TALL TO COLO	
B. Physical C	Characteristics o	f Waste	WAS ARREST TO THE REAL PROPERTY.	Process Generating	waste On S	
		TAA 11216	Note a result as supplying the material section as		NATO POPO POR SECUENCIA DE PORTE ESTA DE SECUENCIA DE SEC	C. Shipping Information
Color/Physical De	scription: Varies			Specific Court	0.00.1.1	
Strong Incidental	Odor Present?:	Yes No Wast	ewater?:	Specific Gravity:		Quantity: 0-5 Units: Drums
Physical State @ 7	′0°:		tracer	L1 103 x 14()		Price: Container : 55 gallon
♥ Single Phase			emi-solid	□ Gas/Aerosol 1	Joose Pack	Comminer: 33 garron
☐ Bi-layered	□ Powder □	□ Liquid □ SI	udge	☐ Lab Pack		
% Sludge	% Sucpandad on	lide neces	11/20			
	Yes T No	Pumpahl 7 1	id/Debris (	% Free Liquids	s 100%	
Floobasiata [7] ×20	6 Figures	rumpable: w Yes	No.	Pourable:	Yes No	D. Transport Information
gnitable Solid:	Pred 10, 100 (V. 10)	1-141° □ 142-20()°	□ >200°	No Flash ☐ Exact		CCI/GCC to Provide Transportation
oH: □ <2		)1-9 # 9.01-12.4 [	CISIDE I			Customer to Deliver to CCI/GCC
		7 × 5.01*12.4 1	J 212.3 L	_ Exact		Customer to Deliver to end facility Via
E. Chemical (	Composition				CALIFORNIA DE CONTROLO DE	CCI/GCC
Description	O VALLE OF THE STATE OF THE STA				A Parallement of the Control of the	
TROYKYD C16						Range Minimum Range Maximun
	ethyl oxazolidine 68	30/0				100%
xazolidine 3,4,4 ti	rimethyl 1-3%	20				
-amino 2-methyl 1-	-propanol <2%					
DS ATTACHED						
F Dogulotow	In A.		WEST STATE STATE OF THE STATE O		ernannen wood anna ann againmhailtean again	
F. Regulatory	information		Constant and an extension of the second second	Children Co. C. Bracket Co.		The state of the s
PA Hazardous W	neto9. [VIV V	Yenni o			DESCRIPTION OF CHARLES PRODUCTION AND CONTRACT THE STATE OF	
pplicable Subcate	aster: Miles N	O USEPA Code(s): D	i()() 1			
tate Hazardous W	aste?: # Yes D No	) State Code(s): I'	00() [			
O.T. Hazardous	Waste?:     Yes □ No	Proper Shipping No	amo: WAS	TE EL AMMADI E LIQU	TING NO.	(Dimethyloxazolidine)
lass: 3	I.D. N	NO: UN1993	mic: W.19	P.G.: III	D.O. DOOL	(Dimethyloxazolidine)
				1.G III	R.Q.: D001/	100
				and the second s	103	The second secon
G. Special Hai	ndling Consider	'ation	Manage of the State of the Stat		NOTE OF THE PROPERTY OF THE PR	
roject Codes:			PROPERTY OF THE PARTY OF THE PA		THE RESERVE OF THE PERSON OF T	
oecial Handling:						
pecial Handling:						
pecial Pricing:			St. White date chapter contings	MAIN STORE CONTROL CON		
	irdous Characte	eristics		Service - The Se		The state of the s
RCRA Reactive	☐ Water Reactive	The second section of the sect	None	Actual	Is this wast	e characteristically hazardous
Radioactive	☐ Subject to Subpart	PCB's		Sample		iste Codes D004-D043):
Etiological	FF Benzene	Cyanides				vaste contain underlying hazardous
TSCA Regulated	□ Oxidizing	Phenolies			constituen	ts As defined In 40 CFR 268(2)(I) at
Pyrophoric None	□ Explosive	Sulfides			at concenti	rations exceeding the UTS treatment
Administracy commencement a commencement and a second	ATION I have been a second	VOC's			etandarde9	If was that In marking C
terral, and that all relevan	nt information regarding kno	an information submitted In t win or suspected hazards In the	his and attache	d documents is complete, contain	ns true and accur	ate descriptions and is representative of the wasters, after having taken delivery of the waste, that any
ste does not conform to t	he identification and descrip	ction On this MPS then CCI sh	tall provide not	the Generator has been disclosed ice of such condition to the Gene	<ol> <li>if CCI discover erator and coordi</li> </ol>	rs, after having taken delivery of the waste, that any nate the return of the nonconforming waste to the noise

est or to such other locations designated in writing by the Generator. Generator agrees to reimburse CCI for all handling, packaging, clean-up and transportation costs or charges, damage to equipment, and costs associated with lost time incurred by CCI during the receipt, handling, temporary storage and return of such nonconforming waste to point of origin or to such other location designated by Generator. I hereby authorize CCI to amend and/or correct any information on the MPS with the full understanding that if any amendment or correction is performed. I will be contacted As such to issue any approval

AUTHORIZED SIGNATURE:

ENVIRONMENTAL DATE: 12/20/18

### Cycle Chem, Inc

217 South First Street Elizabeth, NJ 07206

550 Industrial Dr. Lewisberry, PA 17339 Phone: (908) 355-5800 Phone: (717) 938-4700



### Material Profile Sheet

ACCT #6700 **PROFILE NUMBER:8901** APPROVAL CODE: FM1

### A. Generator Information

Generator Name

TROY CHEMICAL

Mailing Address Site Address

ONE AVENUE L NEWARK, NJ 07105

Fax: (717) 938-3301

Generator Contact Billing Company

MONARCH ENVIRONMENTAL

Billing Address **Billing Contact** 

108 EAST LAKE ROAD PO BOX 330 WOODSTOWN, NJ 08098

Phone #

Phone #

Fax#

Fax #

Generator EPA ID NJD002144517

Name of Waste Troymax Manganese 9

Process Generating Waste Contaminated Damaged Out Of Date Obsolete

### B. Physical Characteristics of Waste

Specific Gravity none

pH 1.02

% Sludge %

% Suspended Solids %

% Solid/Debris %

% Liquid 100

Container Spec: D. Transport Information

Quantity

C. Shipping Information

Flash Point Odor none

Dumpable YES

Pumpable NO Color varies

Pourable NO

CCI to Provide Transportation Customer to Deliver to CCI

Customer to Deliver to end facility Via CCI

### E. Chemical Composition

Description	(Range Total > or = 100	%) or ppm
2- Ethylhexanoic Acid	1 3	%
Glycol Ether	1 3	0/0
Hydfrodesulferized Heavy Naptha	30 50	%
Manganese 2, Ethylhexanpate	50 70	9/0
Troymax Manganese Contains	100 0	%

### F. Regulatory Information

EPA Hazardous Waste?: YES

USEPA Code(s): D001

Applicable Subcategories:

State Regulated Waste?: NO

State Code(s):

D.O.T. Hazardous Waste?: Yes

Proper Shipping Name:

UN1993 Waste Flammable liquids, n.o.s. (HYDROSULFERIZED HEAVY NAPTHA) 3 POLITI

Hazard Class/Division #: 3

UN/NA#: UN1993

Packing Group: III

RQ:

## G. Other Hazardous Characteristics

Printed Name

RCRA Reactive Radioactive Etiological TSCA Regulated Pyrophoric

Water Reactive Subject to Subart FF Benzene

Oxidizer Explosive PCB's Cyanides Phenolics Sulfides VOC's

Is this waste characteristically hazardous (EPA Waste Codes D004-D043) Does this waste contain underlying hazardous constituents as defined in 40 CFR 268(2)(I) at concentrations exceeding the UTS treatment standards? If yes, list in Section E

GENERATOR CERTIFICATION: I hereby certify that all information submitted in this and attached documents is complete, contains true and accurate descriptions and is representative of the waste material, and that all relevant information regarding known or suspected hazards in the possession of the generator has been disclosed. If CCI discovers, after having taken delivery of the waste, that any waste does not conform to the identification and description on this MPS then CCI shall provide notice of such condition to the generator and coordinate the return of the non-conforming waste to the point of origin as set forth on the manifest or to such other locations designated in writing by the generator. Generator agrees to reimburse CCI for all handling, packaging, clean-up and transportation costs or charges, damage to equipment, and costs associated with lost time incurred by CCI during the receipt, handling, temporary storage and return of such non-conforming waste to point of origin or to such other location designated by generator. I hereby authorize CC to amend and/or correct any information on the MPS with the full understanding that if any amendment or correction is performed, I will be contacted as such to issue any approyal ENVIRONMENTAL

TITLE:

ACV Approval	Signature:	Date:	Form Code:

### Cycle Chem, Inc. General Chemical Material Profile Sheet 217 South First Street 550 Industrial Dr. 133 Leland St. Generator Number:-1 Elizabeth, NJ 07206 Lewisberry, PA 17339 Framingham, MA 01701 Phone: (908) 355-5800 Product Code: Phone: (717) 938-4700 Phone: (508) 872-5000 Fax: (908) 355-0562 Sales Code: Fax: (717) 938-3301 Fax: (508) 875-5271 A. Generator Information Generator Name TROY CHEMICAL Generator USEPA ID Mailing Address NJD 002 144 517 ONE AVENUE L. NEWARK NJ 071'96 Site Address SAME Generator Contact BILL REILLEY Phone # 973-589-2500 Fax# Billing Address Monarch Environmental, 108 East Lake Road, Woodstown NJ 08098 Billing Contact John Lazarus Phone # 856-769-9022 Fax # 856-769-8740 Name of Waste METHANOL Process Generating Waste SPENT METHANOL **B. Physical Characteristics of Waste** C. Shipping Information Color/Physical Description: Varies Strong Incidental Odor Present?: # Yes Specific Gravity: ().79-().8 Quantity: 28,000 Units: GALLONS Wastewater?: DYON & NO Physical State a 70°: Price: Container : BULK ☐ Semi-solid ☐ Bi-lavered 🗆 Gas Acrosol □ Powder Loose Pack □ Liquid ☐ Sludee □ Lab Pack % Sludge % Suspended solids ° o Solid Debris ()° o % Free Liquids 100% Pumpable: # Yes No Pourable: # Yes No D. Transport Information Flashpoint: 4 < 70° □ 70-100° 101-141° 🗆 142-200° 🗀 -- 200° Ignitable Solid: TYes # No CCFGCC to Provide Transportation pH; $\square \cdot 2$ □ 2.01-5 Customer to Deliver to CCI/GCC x 5.01-9 9.01-12.4 □ -12.5 □ Exact Customer to Deliver to end facility Via E. Chemical Composition CCI/GCC Description METHANOL cas:67-56-1 Range Minimum Range Maximum WATER 98-99% SDS ATTACHED 1-2% F. Regulatory Information EPA Hazardous Waste?: ⊠Yes No USEPA Code(s): [003, D001 Applicable Subcategories: State Hazardous Waste?: # Yes 🗆 No State Code(s): D.O.T. Hazardous Waste?: # Yes 🗆 No Proper Shipping Name: WASTE METHANOL F003, D001 I.D. NO: UN1230 P.G.: 11 R.Q.: 5.000lbs

G. Special Handling Consideration Project Codes:

Special Handling:

Special Handling: Special Prining

LIRCRA Reactive	ardous Characterist	ics			
□Radioactive □Etiological □TSCA Regulated □Pyrophoric None	☐ Subject to Subpart	PCB's Cyanides Phenolies Sulfides	None  □  □  □  □		☐ Is this waste characteristically hazardous (EPA Waste Codes D004-D043): ☐ Does this waste contain underlying hazardous constituents As defined In 40 CFR 268(2)(1) at
ENERATOR CERTIFIC naternal, and that all releva	AFION 1 hereby certify that all into- nt information regarding known or si	VOC's	this and atta	ched documents is complete	at concentrations exceeding the UTS treatment standards? If yes, list In section C.

al, and that all relevant information regarding known or suspected hazards in the posession of the Generator has been disclosed. If CCI discovers, after having taken delivery of the waste, that any waste does not conform to the identification and description On this MPS then CCI shall provide notice of such condition to the Generator and coordinate the return of the nonconforming waste to the point waste does not conform to the identification and description on this MPS then CC1 snail provide nonce of such condition to the dentification and condition of the manifest of to such other locations designated in writing by the Generator Generator agrees to reimburse CC1 for all handling, packaging, clean-up and transportation costs of of origin as set 19th On the mannessed to such once no among ossignated in writing by the Generality Accretator agrees to reintenses CC1 for an nanoung, pressing, Coan up and Garages, changes, damage to equipment, and costs associated with lost time incurred by CCI through the receipt, handling remporary, storage and return of such nonconforming waste to point of origin or to such other nonges, cannage to equipment, and costs associated with lost time incurred by CC Funding the receipt, nanding, retipolarly storage and return of such nonconforming waste to point of origin of to such designated by Generator Thereby authorize CCI to amend and or correct any information on the MPS with the full understanding that if any amendment or correction is performed. I will be

MANAGER,

### **Material Profile Sheet** Cycle Chem, Inc. General Chemical 217 South First Street 550 Industrial Dr. 133 Leland St. Generator Number:-1 Elizabeth, NJ 07206 Lewisberry, PA 17339 Framingham, MA 01701 Product Code: Sales Code: Phone: (908) 355-5800 Phone: (717) 938-4700 Phone: (508) 872-5000 Fax: (908) 355-0562 Fax: (717) 938-3301 Fax: (508) 875-5271 A. Generator Information Generator Name TROY CHEMICAL Generator USEPA ID NJD 002144517 Mailing Address ONE AVENUE L, NEWARK NJ 07105 Site Address SAME Generator Contact Bill Reilley Phone # 973-589-2500 Fax # Billing Address Environmental Recovery Corporation 1076 Old Manheim Pike Lancaster, PA 17601 Phone # 717-393-2627 Fax # Billing Contact Kait Robertson Name of Waste Air Conditioners Process Generating Waste Site Clean-up C. Shipping Information B. Physical Characteristics of Waste Quantity: \_\_\_\_ Units: Boxcs Color/Physical Description: Varies Specific Gravity: 1.1 Strong Incidental Odor Present?: ☐ Yes ¥ No Wastewater?: ☐ Yes ♥ No Container : Physical State @ 70°: ☐ Single Phase ☐ Multilayered ☐ Solid ☐ Semi-solid ☐ Gas/Aerosol ♣ Loose Pack ☐ Bi-layered ☐ Powder ☐ Lab Pack ☐ Liquid ☐ Sludge % Sludge \_\_\_\_\_ % Suspended solids \_\_\_\_\_ % Solid/Debris 100% % Free Liquids \_\_\_\_\_ Dumpable: ▼ Yes □ No Pumpable: □ Yes ▼ No Pourable: □ Yes ▼ No **D. Transport Information Flashpoint:** □ <70° □ 70-100° □ 101-141° □ 142-200° □ >200° ★ No Flash □ Exact \_\_\_\_\_ ☐ CCI/GCC to Provide Transportation \* Customer to Deliver to CCI/GCC Ignitable Solid: ☐ Yes ☐ No $\square 2.01-5 \quad \# 5.01-9 \quad \square 9.01-12.4 \quad \square > 12.5 \quad \square \text{ Exact}$ ☐ Customer to Deliver to end facility Via pH: $\square < 2$ CCI/GCC E. Chemical Composition Description Range Minimum Range Maximum 100% Air Conditioners F. Regulatory Information EPA Hazardous Waste?: □ Yes ¥ No USEPA Code(s): Applicable Subcategories: D.O.T. Hazardous Waste?: ★ Yes □ No Proper Shipping Name: Universal Waste – Non-RCRA/non-DOT Regulated Class: I.D. NO: P.G.: R.Q.: G. Special Handling Considerations **Project Codes:** Special Handling: Special Handling: Special Pricing: H. Other Hazardous Characteristics □RCRA Reactive □ Water Reactive ☐ Is this waste characteristically hazardous None Actual ☐ Radioactive ☐ Subject to Subpart PCB's (EPA Waste Codes D004-D043): Does this waste contain underlying hazardous □Etiological FF Benzene Cyanides constituents As defined In 40 CFR 268(2)(I) at Phenolics $\square$ ☐TSCA Regulated ☐ Oxidizing at concentrations exceeding the UTS treatment □Pyrophoric ☐ Explosive Sulfides standards? If yes, list In section C. ₩ None VOC's GENERATOR CERTIFICATION: I hereby certify that all information submitted In this and attached documents is complete, contains true and accurate descriptions and is representative of the waste material, and that all relevant information regarding known or suspected hazards In the posession of the Generator has been disclosed. If CCI discovers; after having taken delivery of the waste, that any

GENERATOR CERTIFICATION: I hereby certify that all information submitted in this and attached documents is complete, contains true and accurate descriptions and is representative of the waste material, and that all relevant information regarding known or suspected hazards in the possession of the Generator has been disclosed. If CCI discovers; after having taken delivery of the waste, that any waste does not conform to the identification and description On this MPS then CCI shall provide notice of such condition to the Generator and coordinate the return of the nonconforming waste to the point of origin as Set forth On the manifest or to such other locations designated In writing by the Generator. Generator agrees to reimburse CCI for all handling, packaging, clean-up and transportation costs or charges, damage to equipment, and costs associated with lost time incurred by CCI during the receipt, handling, temporary storage and return of such nonconforming waste to point of origin or to such other location designated by Generator. I hereby authorize CCI to amend and/or correct any information on the MPS with the full understanding that if any amendment or correction is performed, I will be contacted As such to issue any approval.

JUHULAH CHUMINAH Generator Number:-1 550 Industrial Dr. 133 Leland St. 217 South First Street **Product Code:** Lewisberry, PA 17339 Framingham. MA 01701 Elizabeth, NJ 07206 Sales Code: Phone: (908) 355-5800 Phone: (717) 938-4700 Phone: (508) 872-5000 Fax: (908) 355-0562 Fax: (717) 938-3301 Fax: (508) 875-5271 A. Generator Information Generator Name TROY CHEMICAL NJD 002 144 517 Generator USEPA ID Mailing Address ONE AVENUE L, NEWARK NJ 071'96 Site Address SAME Generator Contact BILL REILLEY Phone # 973-589-2500 Fax # Monarch Environmental, 108 East Lake Road, Woodstown NJ 08098 Billing Address Phone # 856-769-9022 Fax # 856-769-8740 Billing Contact John Lazarus Process Generating Waste SPENT METHANOL Name of Waste METHANOL and WATER C. Shipping Information **B.** Physical Characteristics of Waste Specific Gravity: 0.79-0.9 Quantity: 0-14 Units: TOTES Color/Physical Description: Varies Strong Incidental Odor Present?: 
Yes Wastewater?: ☐ Yes ♥ No Price: Container: TOTES/DRUMS Physical State (a) 70°: ▼ Single Phase □ Multilayered □ Solid ☐ Semi-solid ☐ Gas/Aerosol Loose Pack ☐ Powder ⊠Liquid ☐ Sludge ☐ Bi-layered ☐ Lab Pack Dumpable: ♥ Yes □ No Pumpable: ♥ Yes No Pourable: Yes No D. Transport Information Flashpoint:  $4 < 70^{\circ}$   $\square 70-100^{\circ}$   $101-141^{\circ}$   $\square 142-200^{\circ}$   $\square > 200^{\circ}$ ☐ CCI/GCC to Provide Transportation \* Customer to Deliver to CCI/GCC Ignitable Solid: ☐ Yes ♥ No  $\square < 2$   $\square 2.01-5$  x 5.01-9 9.01-12.4  $\square > 12.5$   $\square$  Exact ☐ Customer to Deliver to end facility Via CCI/GCC E. Chemical Composition Range Minimum Range Maximum Description METHANOL cas:67-56-1 80% 20% WATER SDS ATTACHED F. Regulatory Information EPA Hazardous Waste?: \(\times\)Yes No USEPA Code(s): F003, D001 Applicable Subcategories: State Hazardous Waste?: \(\Psi\) Yes \(\Boxed{\Boxes}\) No \(State Code(s): \(F003, D001\) D.O.T. Hazardous Waste?: ★ Yes □ No Proper Shipping Name: WASTE METHANOL Class: 3, (6.1) I.D. NO: UN1230 P.G.: II R.O.: 5,000lbs G. Special Handling Consideration Project Codes: Special Handling: Special Handling: Special Pricing: H. Other Hazardous Characteristics

GENERATOR CERTIFICATION: I hereby certify that all information submitted In this and attached documents is complete, contains true and accurate descriptions and is representative of the waste material, and that all relevant information regarding known or suspected hazards In the possession of the Generator has been disclosed. If CCI discovers; after having taken delivery of the waste, that any waste does not conform to the identification and description On this MPS then CCI shall provide notice of such condition to the Generator and coordinate the return of the nonconforming waste to the point of origin as Set forth On the manifest or to such other locations designated In writing by the Generator. Generator agrees to reimburse CCI for all handling, packaging, clean-up and transportation costs or charges, damage to equipment, and costs associated with lost time incurred by CCI during the receipt, handling, temporary storage and return of such nonconforming waste to point of origin or to such othe location designated by Generator. I hereby authorize CCI to amend and/or correct any information on the MPS with the full understanding that if any amendment or correction is performed, I will be contacted As such to issue any approval.

Actual

None

П

PCB's

Sulfides

VOC's

Cyanides

Phenolics

AUTHORIZED SIGNATURE: Wm Reilley

☐ Water Reactive

□ Explosive

☐ Subject to Subpart

FF Benzene

☐RCRA Reactive

☐TSCA Regulated ☐ Oxidizing

☐ Radioactive

□ Etiological

□ Pyrophoric

₩ None

TITLE: Environmental Manager

DATE: April 10, 2019

☐ Is this waste characteristically hazardous

Does this waste contain underlying hazardous

constituents As defined In 40 CFR 268(2)(I) at

at concentrations exceeding the UTS treatment

(EPA Waste Codes D004-D043):

standards? If yes, list In section C.

### Cycle Chem, Inc

217 South First Street Elizabeth, NJ 07206 Phone: (908) 355-5800

550 Industrial Dr. Lewisberry, PA 17339 Phone: (717) 938-4700

Fax: (717) 938-3301



### Material Profile Sheet

ACCT #6700

Generator EPA ID NJD002144517

PROFILE NUMBER: 11352 APPROVAL CODE: XMS

### A. Generator Information

Generator Name

TROY CHEMICAL

Mailing Address Site Address Generator Contact

ONE AVENUE L NEWARK, NJ 07105

**Billing Company** 

MONARCH ENVIRONMENTAL

108 EAST LAKE ROAD PO BOX 330 WOODSTOWN, NJ 08098

Billing Contact

Phone #

Fax #

Billing Address

Phone #

Fax#

Name of Waste Micropel 5dotp

Process Generating Waste Obsolete Product

B. Physical Characteristics of Waste

Specific Gravity % Sludge %

pH 5.01 9

% Suspended Solids %

% Solid/Debris %

% Liquid %

1 <u>DM</u> 55 Container Spec:

Quantity

Flash Point 200

Dumpable YES

Pumpable NO

Color

Pourable NO

D. Transport Information CCI to Provide Transportation

C. Shipping Information

Customer to Deliver to CCI Customer to Deliver to end facility Via CCI

E. Chemical Composition

Description

Odor

(Range Total > or = 100%) or ppm

Alcohols Cas 68526-85-2 Diphenoxarsi-10-YI-Oxide

10 25 0.5

9/0 0/0

F. Regulatory Information

EPA Hazardous Waste?: YES

USEPA Code(s): D004

Applicable Subcategories:

State Regulated Waste?: NO

State Code(s):

D.O.T. Hazardous Waste?: Yes

Proper Shipping Name:

UN2810 Waste Toxic, liquids, organic, n.o.s.(10,10' Oxybisphenoxarsine) 6.1 PG II

Hazard Class/Division #: 6.1

UN/NA#: UN2810

Packing Group: II

RO:

G. Other Hazardous Characteristics

**RCRA** Reactive Radioactive Etiological TSCA Regulated Pyrophoric

Water Reactive

Subject to Subart FF Benzene Oxidizer

Explosive

PCB's Cvanides Phenolics Sulfides VOC's

Is this waste characteristically hazardous (EPA Waste Codes D004-D043)

Does this waste contain underlying

hazardous constituents as defined in 40 CFR 268(2)(1) at concentrations exceeding the UTS treatment standards? If yes, list in Section E

GENERATOR CERTIFICATION: I hereby certify that all information submitted in this and attached documents is complete, contains true and accurate descriptions and is representative of the waste material, and that all relevant information regarding known or suspected hazards in the possession of the generator has been disclosed. If CCI discovers, after having taken delivery of the waste, that any waste does not conform to the identification and description on this MPS then CCI shall provide notice of such condition to the generator and coordinate the return of the non-conforming waste to the point of origin as set forth on the manifest or to such other locations designated in writing by the generator. Generator agrees to reimburse CCI for all handling, packaging, clean-up and transportation costs or charges, damage to equipment, and costs associated with lost times urred by CCI during the receipt, handling, temporary storage and return of such non-conforming waste to point of origin or to such other location designated by generator. I hereby authorize CCI to amend and/or correct any information on the MPS with the full understanding that if any amendment or correction is performed, I will be contacted as such to issue any approval

AUTHORIZED	SICNATURE.
AUTHORIZED	SIGNATURE:

ENVIRONMENTAL MANAGER TITLE:

ACV Approval:	Signature		Date:	Form Code:		
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Cycle Chem, Inc 217 South First Street 550 Industrial Dr. Elizabeth, NJ 07206 Phone: (908) 355-5800

Lewisberry, PA 17339

Phone: (717) 938-4700 FAx: (717) 938-3301



# **Material Profile Sheet**

ACCT #6700

**PROFILE NUMBER:** 52807 APPROVAL CODE: INC

	TAX. (717) 730-3301	The same of the sa	ATTROVAL CODE. INC
A. Generator Information	n		
Generator Name TROY CHEM Mailing Address	MICAL		Generator EPA ID NJD002144517
	JE L NEWARK, NJ 07105 CAPASSO	Pho	one # Fax #
Billing Address 108 EAST LA		VN, NJ 08098	# 900 220 2479 E #
Billing Contact PAUL MOLN	NAR	Pno	one # 800-220-3478 Fax #
Name of Waste N-Butyl Isocyanate	e P	rocess Generating Waste	
B. Physical Characteristic	cs of Waste		C. Shipping Information
Specific Gravity <u>0.89</u> pH	NA		Quantity Container Spec: DM 85
% Sludge $= 0 \%$ % Suspended	Solids = 0 % % Solid/Debris $= 0 \%$	% Liquid <u>100 = %</u>	D. Transport Information
Flash Point <u>52</u> Dumpa Odor <u>characteristic</u>	Able YES Pumpable YES  Color yellow/green	Pourable YES	CCI to Provide Transportation Customer to Deliver to CCI Customer to Deliver to end facility Via CCI
E. Chemical Composition			
Description	(Range Total > or - 100%) or p	pm	
N-Butyl Isocyanate	100 = %		
F. Regulatory Information	1		
EPA Hazardous Waste?: YES	USEPA Code(s): D001; D003		
Applicable Subcategories:	2001, 200		
State Regulated Waste?: NO	State Code(s):		
D.O.T. Hazardous Waste?:		485. Waste n-Butyl isocya	nate, 6.1 (3), I, Poison Inhalation Hazard Zone B
Hazard Class/Division #: 6.1		g Group: I	RQ:
Truzura Ciussi Division III.	CITY INTENT CITZ 103	g Group.	4.
G. Other Hazardous Char	acteristics		
			Is this waste characteristically hazardous
RCRA Reactive	X Water Reactive	PCB's	(EPA Waste Codes D004-D043)
Radioactive	Subject to Subart FF Benzene	Cyanides	Does this waste contain underlying
<ul><li>Etiological</li><li>TSCA Regulated</li></ul>	Oxidizer Explosive	Phenolics Sulfides	hazardous constituents as defined in 40 CFR
Pyrophoric	Zapiosive	VOC's	268(2)(I) at concentrations exceeding the UTS
		*	treatment standards? If yes, list in Section E
material, and that all relevant information rega waste does not conform to the identification ar of origin as set forth on the manifest or to such charges, damage to equipment, and costs assoc	rding known or suspected hazards in the possession of nd description on this MPS then CCI shall provide notion to other locations designated in writing by the generator. Ciated with lost time incurred by CCI during the receipt	the generator has been disclosed, the of such condition to the general Generator agrees to reimburse Co., handling, temporary storage and	true and accurate descriptions and is representative of the waste If CCI discovers, after having taken delivery of the waste, that any tor and coordinate the return of the non-conforming waste to the point CI for all handling, packaging, clean-up and transportation costs or return of such non-conforming waste to point of origin or to such
other location designated by generator. I hereb	wauthorize CCI to amend and/or correct any informati	on on the MPS with the full under	rstanding that if any amendment or correction is performed. I will be
contacted as such to issue any approval.	y authorize to amend and or correct any informati		standing that it any amendment of confection is performed, i and oc
	) .00		
AUTHORIZED SIGNATURE:	) .00		- DATE: 12/12/18

ACV Approval:		Signature:	 Date:	Form Code:	
	Printed Name				

217 South First Street 5

Elizabeth, NJ 07206 Phone: (908) 355-5800 Fax: (908) 355-0562 550 Industrial Dr. Lewisberry, PA 17339 Phone: (717) 938-4700 Fax: (717) 938-3301 133 Leland St.
Framingham. MA 01701
Phone: (508) 872-5000

Generator Number:-1
Product Code:
Sales Code:

Fax: (908	) 355-0562	Fax: (717) 938-3301	Fax: (508) 875-52	71	
A. Generator	Information		A		
Generator Name	TROY CHEMICAL		Generator USEPA ID	NJD 002 14	4 517
Mailing Address	ONE AVENUE L, N	EWARK NJ 071`96	-		The second secon
Site Address	SAME				
Generator Contac	t BILL REILLEY		Phone # 973-589-2500	Fax #	
Dilling Address	Monarch Environmer	tal, 108 East Lake Road, Wood	Store NI 02002		
Billing Address Billing Contact	John Lazarus	itai, 106 East Lake Road, Wood	Phone # 856-769-9022	Fax # 856-7	769-8740
Dining Contact	John Bazaras		1 Hone # 030-707-7022	1 ax 11 030 1	07 07 10
Name of Waste	Pilot Plant Dispersion		Process Generating Waste	Pilot Plant	
B. Physical C	haracteristics of	Waste		C. S	Shipping Information
to the relation of the control of th					A A
	scription: White viscou		Specific Gravity: 1.0-1.2		ity: 0-4 Units: Drum
	Odor Present?: * Y	es No Wastewater?:	☐ Yes ♥ No	Price:	
Physical State @ 7		IC-1:1			iner : HDPE DRUMS 55Gal
☐ Single Phase ☐ Bi-layered	2	Solid ☐ Semi-solid ☐ Semi-solid ☐ Sludge	☐ Gas/Aerosol Loose I☐ Lab Pack	ack	
= Br tay or ca	_ 1 0 W dei	-Diquid — Ditage	Lab rack		
% Sludge $\leq 20$ %	% Suspended sol	ds % Solid/Debris	0% % Free Liquids 100	%	
Dumpable: 4	Yes □ No	Pumpable:	Pourable:  ♣ Yes	No D. T	ransport Information
Flashpoint: ¥ <70	° □ 70-100° 101	-141° □ 142-200° ⊠>200°	No Flash ☐ Exact		I/GCC to Provide Transportation
Ignitable Solid:	☐ Yes ♣ No			<b>≇</b> Cus	tomer to Deliver to CCI/GCC
<b>pH:</b> □ <2	$\square 2.01-5  \text{x}  5.0$	1-9 9.01-12.4 $\square > 12.5$	□ Exact		tomer to Deliver to end facility Via
				CC.	I/GCC
E. Chemical	Composition				
Description	tyl Carbamate CAS#:55	106.53.6		-	ange Minimum Range Maximum 0-10%
Carbendazim CAS# 10		100-33-0			.0-4.0%
Duiron CAS#:330-54					.0-4.0%
	- 3 (2H)-one CAS#: 00263 , C10-16 alkyl CAS#: 685				.0-5.0% .0-1.0%
Kaolin CAS# 1332-58		04-24-7			0-2.0%
Furned Silica CAS#: 6					0-1.0%
Xanthan gum CAS#: 1 Water	11138-66-2				.0-0.10% 0.0-90.0%
F. Regulatory	Information				
T. Regulatory	IIIIOIIIIIIIIII				
EPA Hazardous W	aste?: Yes No	USEPA Code(s):			
Applicable Subcate					
	Vaste?:    Yes □ No				
		Proper Shipping Name:	n.C. II. n.O.	£ 00011	
Class:	I.D. N		P.G.: II R.Q	:: 5,000lbs	
THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.	indling Consider	ation			
Project Codes:					
Special Handling: Special Handling:					
Special Pricing:					
	ardous Charact	eristics			
□RCRA Reactive	□ Water Reactive	None	Actual	his waste cha	racteristically hazardous
□Radioactive	☐ Subject to Subpar				odes D004-D043):
□Etiological	FF Benzene	Cyanides			contain underlying hazardous
☐TSCA Regulated	Oxidizing	Phenolics			defined In 40 CFR 268(2)(I) at
□ Pyrophoric	☐ Explosive	Sulfides □			s exceeding the UTS treatment

GENERATOR CERTIFICATION: I hereby certify that all information submitted In this and attached documents is complete, contains true and accurate descriptions and is representative of the waste material, and that all relevant information regarding known or suspected hazards In the possession of the Generator has been disclosed. If CCI discovers; after having taken delivery of the waste, that any waste does not conform to the identification and description On this MPS then CCI shall provide notice of such condition to the Generator and coordinate the return of the nonconforming waste to the point of origin as Set forth On the manifest or to such other locations designated In writing by the Generator. Generator agrees to reimburse CCI for all handling, packaging, clean-up and transportation costs or charges, damage to equipment, and costs associated with lost time incurred by CCI during the receipt, handling, temporary storage and return of such nonconforming waste to point of origin or to such other location designated by Generator. I hereby authorize CCI to amend and/or correct any information on the MPS with the full understanding that if any amendment or correction is performed, I will be contacted As such to issue any approval.

DATE: June 21, 2019

# Cycle Chem, Inc.

217 South First Street Elizabeth, NJ 07206 Phone: (908) 355-5800 550 Industrial Dr. Lewisberry, PA 17339 Phone: (717) 938-4700 Fax: (717) 938-3301

## **General Chemical**

133 Leland St. Framingham. MA 01701 Phone: (508) 872-5000

Material Profile Sheet	
Generator Number:-1	
Product Code:	_
Sales Code:	

Fax: (908)	355-0562	Fax: (717	938-33	01	F	fax: (508) 875	-5271				
A. Generator	Information										
Generator Name	TROY CHEMICAL	namental and the second and the seco			Generator	USEPA ID	NJD (	002 144 51	7		Anni konsula na kanana kana
	ONE AVENUE L, N	EWARK NJ 071'	96								
Site Address	SAME										
Generator Contact	BILL REILLEY				Phone # 9	973-589-2500	Fax #				
Billing Address	Monarch Environme	ntal, 108 East Lak	e Road.	Woods	town NJ 08098						
Billing Contact	John Lazarus	,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			356-769-9022	Fax#	856-769-8	3740		
				14.722							
AND THE PARTY OF T	Pilot Plant BIT-Zpt-2	COMPANY DESCRIPTION OF THE PROPERTY OF THE PRO	Sac spacessaria		Process G	enerating Wa	ste Pilot	The state of the s			Local Agents and Agents
B. Physical C	haracteristics o	f Waste						C. Ship	ping Inf	ormation	
					_				0.4		
	cription: White visco		N/4	49.	_ Specific ( □ Yes ♥	Gravity: 1.0	-1.2	Quantity: Price:	<u>0-4</u> U	nits: Drum	
Strong Incidental C Physical State @ 70	Odor Present?: 🖽	Yes No V	Wastewa	iter::	□ Yes ∓	NO			· · HDPF DF	RUMS 55Gal	
☐ Single Phase		□ Solid	□ Semi-	-solid	☐ Gas/Aero	osol Loo	se Pack	Container	· HOLL DI	COMS 33Gar	
☐ Bi-layered	•		⊠Sludg		☐ Lab Pack						
0/ 01 1	/ 0/ C 1 1	1' 1	/ 0 11 1/2		00/	. , , , ,	1.000/				
-	% Suspended so				0% % F	-		D. T.	, T	C	
	Yes □ No		Yes						The second second second	formation	No control de la
	° □ 70-100° 10	1-141° □ 142-20	)()° 🗵>	>200°	No Flash	☐ Exact				e Transportati	
Ignitable Solid: ☐ <2		01_0 0.01_1	24 🗆 -	12.5	□ Exact					to CCI/GCC to end facilit	
pm. 🗆 🗠	□ 2.01-3 X 3.0	71-9 9.01-1	2.4 🗆 -	12.5	L LAdet			CCI/GC		to cha facilit	y via
E. Chemical C	Composition										an Aleksadiandia (M.
Description								Range	e Minimum	Range Max	imum
Zinc Pyrithione CAS#								0.0-38			
Zinc Oxide CAS#1314	1-13-2 3 (2H)-one CAS#: 0026	34-33-5						0.0-23 0.0-10			
Naphthalene Condensa	ate CAS#9084-06-4							0.0-3.0			
	C10-16 alkyl CAS#: 68	584-24-7						0.0-3.5			
Xanthan gum CAS#: 1 Water	1138-66-2							0.0-0.3 60.0-9			
F. Regulatory	Information			The second second second	HISTORIAN PROPERTY OF THE STATE						
- 1 ALUBARANTOI J	VA AAADO VA VAK		CONTRACTOR OF THE								
EPA Hazardous W	aste?: Yes N	lo USEPA Code	(s):								
Applicable Subcate	egories:										
	Vaste?: ★ Yes □ N										
D.O.1. Hazardous Class:	Waste?: ★ Yes □ N I.D.		ing Nan	ie:	P.G.: II	R	R.Q.: 5,00	Olbs			-
	ndling Conside				1.0 11	1		0103			
Project Codes:	maning Conside	1 ation									
Special Handling:											
Special Handling:											
Special Pricing:											
H. Other Haz	ardous Charac	teristics									
☐RCRA Reactive	☐ Water Reactive			None	Actual				eristically ha		-
Radioactive	☐ Subject to Subpa					L			s D004-D043		
☐ Etiological	FF Benzene	•				P				ng hazardous FR 268(2)(I) :	
☐TSCA Regulated ☐Pyrophoric	☐ Oxidizing ☐ Explosive	Pner Sulfi								UTS treatmen	
None →	- Explosive	VOC							st In section		

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AUTHORIZED SIGNATURE: Wm Reilley

DATE: June 21, 2019

# Cycle Chem, Inc.

217 South First Street Elizabeth, NJ 07206 Phone: (908) 355-5800 550 Industrial Dr. Lewisberry, PA 17339 Phone: (717) 938-4700

### **General Chemical**

133 Leland St. Framingham. MA 01701 Phone: (508) 872-5000

Fax: (908) 355-0562 Fax: (717) 938-3301 Fax: (508) 875-5271 A. Generator Information Generator Name TROY CHEMICAL NJD 002 144 517 Generator USEPA ID ONE AVENUE L, NEWARK NJ 071'96 Mailing Address Site Address SAME Generator Contact BILL REILLEY Phone # 973-589-2500 Fax# **Billing Address** Monarch Environmental, 108 East Lake Road, Woodstown NJ 08098 **Billing Contact** John Lazarus Phone # 856-769-9022 Fax # 856-769-8740 Pilot Plant Cobalt Waste Process Generating Waste Pilot Plant Reactor Wash Name of Waste C. Shipping Information **B.** Physical Characteristics of Waste Quantity: 0-4 Units: Drum Color/Physical Description: Blue liquid Specific Gravity: 1.0-1.2 Strong Incidental Odor Present?: \* Yes ☐ Yes # No No Wastewater?: Price: Container: Steel DRUMS 55Gal Physical State @ 70°: ☐ Single Phase ☐ Multilayered ☐ Solid ☐ Semi-solid ☐ Gas/Aerosol Loose Pack ☐ Bi-layered □ Powder **⊠**Liquid **⊠**Sludge □ Lab Pack % Sludge < 5% % Suspended solids % Free Liquids 100% % Solid/Debris 0% Dumpable: ₩ Yes 🗆 No Pumpable: # Yes No Pourable: ₩ Yes No D. Transport Information Flashpoint: ★ <70° □ 70-100° ⊠101-141° □ 142-200° >200° No Flash ☐ Exact CCI/GCC to Provide Transportation Customer to Deliver to CCI/GCC Ignitable Solid: ☐ Yes # No 9.01-12.4 □>12.5 □ Exact Customer to Deliver to end facility Via pH:  $\square < 2$  $\square 2.01-5$ x 5.01-9 CCI/GCC E. Chemical Composition Description Range Range Minimum Maximum Cobalt 2-Ethylhexanoate CAS # [136-52-7] 71.00%: 0.0-10% Exxsol D60 CAS # [64742-47-8] 24.60%; 88.0-98.0% Tripropylene Glycol Methyl Ether CAS # [25498-49-1] 3.51% 0.0-1.0% Propionic acid CAS # [79-09-4] 0.84 -1.7% 0.0-1.0% F. Regulatory Information **EPA Hazardous Waste?:** Yes No **USEPA Code(s)**: Applicable Subcategories: State Hazardous Waste?: 

▼ Yes □ No State Code(s): D.O.T. Hazardous Waste?: ★ Yes □ No Proper Shipping Name: I.D. NO: P.G.: II R.Q.: 5,000lbs G. Special Handling Consideration **Project Codes:** Special Handling: Special Handling: Special Pricing: H. Other Hazardous Characteristics □RCRA Reactive ☐ Water Reactive Is this waste characteristically hazardous None Actual ☐ Subject to Subpart PCB's (EPA Waste Codes D004-D043): □Radioactive □ Etiological FF Benzene Cvanides Does this waste contain underlying hazardous constituents As defined In 40 CFR 268(2)(I) at ☐TSCA Regulated ☐ Oxidizing Phenolics at concentrations exceeding the UTS treatment □ Pyrophoric □ Explosive Sulfides

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VOC's

₩ None

standards? If yes, list In section C.

DATE: June 21, 2019



all malevid sent to ERC, NON HAZ

# Waste Profile Renewal

### Broker:

Monarch Environmental PO Box 330 Woodstown, NJ 08098

John Lazarus 908-267-3991

Generator:

Troy Chemical
One Avenue L
New ark, NJ07106

-Ed-Copasso 973-589-2500 x 3340

Dear Generator / Customer:

This notification is required by the Waste Analysis Plan of the above named TSDF and must be repeated every 5 years for each waste stream managed by the named TSDF.

CANCEL this wastestream approval. Sign and Return.

If you should have any questions, please call your broker or Sales Representative.

Wastestream Identification	
Profile Number: Approval Number: Description: Expiration Date:	SPT INORGANIC MIX
Sign and date this original to:	
submitted in this document and all responsible for obtaining the inform	of law that I have personally examined and am familiar with the information attachments and that, based on my inquiry of those individuals immediately mation, I believe that the information is true, accurate and complete. I am aw are for submitting false information, including the possibility of fine and imprisonment.    Porrowness   Porrown
Please check the appropriate box	delow:
RENEW WITHOUT CHA	NGE Sign and Return.
RENEW WITH CHANGE w astestream that are d	Complete new profile and indicate changes in waste generating process and/or ifferent from information last submitted. Sign and Return.

TSDF Management: (TSDF LAB USE ONLY)

Notes:

Form Code
Inbound Code
Unit Cost
Class Code
3rd Auth.

Approved
Rejected
Authorized By:

Date:

2nd Auth: :

### **Material Profile Sheet** Cycle Chem, Inc. **General Chemical** 217 South First Street 550 Industrial Dr. 133 Leland St. Generator Number:-1 Elizabeth, NJ 07206 Lewisberry, PA 17339 Framingham. MA 01701 Product Code: Phone: (908) 355-5800 Phone: (717) 938-4700 Phone: (508) 872-5000 Sales Code: Fax: (908) 355-0562 Fax: (717) 938-3301 Fax: (508) 875-5271 A. Generator Information NJD002144517 Generator Name TROY CHEMICAL Generator USEPA ID ONE AVENUE L, NEWARK NJ 07105 Mailing Address Site Address Phone # 973-589-2500 Fax # Generator Contact Bill Reilley Environmental Recovery Corporation 1076 Old Manheim Pike Lancaster, PA 17601 Billing Address Kait Robertson Phone # 717-393-2627 Fax # Billing Contact Dehumidifiers Process Generating Waste Site Clean-up Name of Waste B. Physical Characteristics of Waste C. Shipping Information Color/Physical Description: Varies Specific Gravity: 1.1 Quantity: \_\_\_\_ Units: Boxes Strong Incidental Odor Present?: ☐ Yes ※ No Price: Wastewater?: ☐ Yes # No Container: Physical State @ 70°: ☐ Single Phase ☐ Multilayered ☐ Solid ☐ Semi-solid ☐ Gas/Aerosol ♣ Loose Pack Liquid □ Powder ☐ Bi-layered ☐ Sludge ☐ Lab Pack % Sludge \_\_\_\_\_ % Suspended solids \_\_\_\_\_ % Solid/Debris 100% % Free Liquids \_\_\_\_\_ Dumpable: ♣ Yes □ No Pumpable: □ Yes ♣ No Pourable: ☐ Yes ¥ No D. Transport Information Flashpoint: □ <70° □ 70-100° □ 101-141° □ 142-200° □ >200° ★ No Flash □ Exact \_\_\_\_\_ CCI/GCC to Provide Transportation \* Customer to Deliver to CCI/GCC Ignitable Solid: ☐ Yes ☐ No $\square < 2 \qquad \square \ 2.01-5$ ₩ 5.01-9 □ 9.01-12.4 □ >12.5 □ Exact ☐ Customer to Deliver to end facility Via CCI/GCC E. Chemical Composition Range Minimum Range Maximum Description Dehumidifiers F. Regulatory Information Applicable Subcategories: D.O.T. Hazardous Waste?: ✓ Yes ☐ No Proper Shipping Name: Universal Waste — Non-RCRA/non-DOT Regulated G. Special Handling Considerations Project Codes: Special Handling: Special Handling: Special Pricing: H. Other Hazardous Characteristics ☐ Water Reactive □RCRA Reactive None Actual ☐ Is this waste characteristically hazardous (EPA Waste Codes D004-D043): Radioactive ☐ Subject to Subpart PCB's □ Etiological FF Benzene Cvanides Does this waste contain underlying hazardous ☐TSCA Regulated ☐ Oxidizing Phenolics constituents As defined In 40 CFR 268(2)(I) at □Pyrophoric ☐ Explosive Sulfides at concentrations exceeding the UTS treatment

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VOC's

AUTHORIZED SIGNATURE: WM Reilley

♣ None

TITLE: Environmental Manager

DATE: March 26, 2019

standards? If yes, list In section C.

Cycle Chem Inc

217 South First Street Elizabeth, NJ 07206 Phone: (908) 355-5800 Fax: (908) 355-0562

contacted As such to issue any approyal.

AUTHORIZED SIGNATURE:

550 Industrial Dr. Lewisberry, PA 17339 Phone: (717) 938-4700 Fax: (717) 938-3301 General Chemical

133 Leland St. Framingham, MA 01701 Phone: (508) 872-5000 Fax: (508) 875-5271

Material Motile Sheet	
Generator Number:-1	
Product Code:	

Sales Code:

1 tax1 (900	7 555 0502	rax. (/1/) 936	-3301	rax: (508) 8	/3-32/1	
A. Generator	Information					
Generator Name	TROY CHEMICAL			Generator USEPA II	) NJD (	002 144 517
Mailing Address	ONE AVENUE L, NE	WARK NJ 071'96		3	1,015	702 11.31)
Site Address	SAME					
Generator Contac	t BILL REILLEY			Phone # 973-589-250	00 Fax#	
Billing Address	Monarch Environment	ol 100 Foot Laba Da	- 1 337 - 1	NI 00000		
Billing Contact	Monarch Environment John Lazarus	ai, 108 East Lake Roa	ad, Woods		2 5 "	056 760 0740
Dining Contact	John Lazarus			Phone # 856-769-902	2 Fax #	856-769-8740
Name of Waste	FUNGITROL 11-50S			Process Generating V	Vaste Off S	Spec / damaged
B. Physical C	haracteristics of	Waste				C. Shipping Information
Color/Physical Des	Scription: Varies	N		Specific Gravity: 1.		Quantity: 0-5 Units: Drums
Physical State @ 7	Odor Present?: \(\sigma\) Yo	es No Waste	ewater?:	☐ Yes ♣ No		Price:
		Solid □ Se	mi-solid	П Соо/А I		Container: 55 gallon/ totes
☐ Bi-layered		Liquid Si		☐ Gas/Aerosol Le ☐ Lab Pack	oose Pack	
,			auge	Lao i ack		
% Sludge	% Suspended solic	s % Soli	id/Debris	0% % Free Liquids	100%	
Dumpable: 4	Yes □ No	Pumpable: # Yes	No	Pourable:	Yes No	D. Transport Information
	° □ 70-100° ★ 101-			□ No Flash □ Event		CCVCCC+ Paris T
Ignitable Solid:	□ Yes ¥ No	141 🗖 142-200 1	L - 200	□ No Flash □ Exact		☐ CCI/GCC to Provide Transportation  * Customer to Deliver to CCI/GCC
pH: □<2		9 🗆 9.01-12.4 [	□>12.5	□ Exact		☐ Customer to Deliver to end facility Via
		1 (100)				CCI/GCC
E. Chemical C	Composition					
Description						Range Maximu
<b>FUNGITROL 11-5</b>						Runge Huannu
Contains: N-(trich)	loromethylthio)phthal	imide 52.74%				
	es (Stoddard type)	38%				
	es (hydrotreated light	8.82%				
Methyl ethyl ketor		0.34%				
	SDS	ATTACHED				
F. Regulatory	Information					
EPA Hazardous Wa	aste?: ⊠Yes No	USEPA Code(s): [	0001			
Applicable Subcate	gories:	G G				
DOT Hazardous W	aste?: # Yes \( \text{No}\)	State Code(s):	0001	CTE EL AMONDO EN TON	VDC NOC	
Class: 3	waster: A res Lino	Proper Snipping Na D: UN1993	ame: WA			(aliphatic petroleum distillates)
	1.D. 110	. UN1773		P.G.: III	R.Q.: D001/	/100
					108	
G. Special Hai	ndling Considera	tion				
Project Codes:						
Special Handling:						
Special Handling:						
Special Pricing:						*
H. Other Haza	ardous Character	istics				
☐RCRA Reactive	☐ Water Reactive		None	Actual	Is this was	te characteristically hazardous
Radioactive	☐ Subject to Subpart	PCB's				aste Codes D004-D043):
Etiological	FF Benzene	Cyanides				waste contain underlying hazardous
TSCA Regulated	Oxidizing	Phenolics				its As defined In 40 CFR 268(2)(I) at
]Pyrophoric	☐ Explosive	Sulfides				rations exceeding the UTS treatment
None		VOC's			standards?	? If yes, list In section C.
ENERATOR CERTIFICA	ATION: I hereby certify that all	l information submitted In	this and attach	ched documents is complete, contain	is true and accu	rate descriptions and is representative of the waste
aste does not conform to t	the identification and description	on On this MPS then CCI s	hall provide	notice of such condition to the Gene	rator and coord	ers; after having taken delivery of the waste, that any inate the return of the nonconforming waste to the po
Fariain as Cat forth On the	manifact on to such ather land					

of origin as Set forth On the manifest or to such other locations designated In writing by the Generator. Generator agrees to reimburse CCI for all handling, packaging, clean-up and transportation costs or charges, damage to equipment, and costs associated with lost time incurred by CCI during the receipt, handling, temporary storage and return of such nonconforming waste to point of origin or to such othe location designated by Generator. I hereby authorize CCI to amond and/or correct any information on the MPS with the full understanding that if any amendment or correction is performed, I will be

# Hazardous Waste Management

August 2018

### HAZARDOUS WASTE MANAGEMENT ANNUAL REFRESHER - 2018

- **EXAMPLES OF CONTAINER STORAGE AT OTHER COMPANIES**
- WHY IS THERE TRAINING?
- HOW MUCH TRAINING IS NEEDED?
- REVIEW OF THE HAZARDOUS WASTE LABEL
- WEEKLY INSPECTION LOG
- **EMERGENCY SPILLS ACTIONS TO PERFORM**
- Q&A

Safety Training: ISO 4001 Audit Related Topic Date: August 21, 2018 Presented by: William Reilley

ISSET First Signature  Last First Signature  Almonte Carlos  Almonte Rogelio  Bacz Roberto  Ba			Presented b	Presented by: William Reilley	- 1	113	l
Signature  Controlled Last  Foster  Mitchell  Goitiandia  John  Guerrero  Jean  Guevarra  Holden  Abdul  Johnson  Fiet  Mictholister  Marica  Marica  Marica  Marica  Micharris  Daniel  Signature  Last  First  First	TROY				74 640	XC> EASTE TIANAGE	T CO
Gentra Unital  Goitiandia  Goitiandia  Guevarra  Holden  Abdul  Johnson  Fevin  ARTURA  Johnson  Mevin  Johnson  Leano  Johnson  Marica  Michard i	Last	First	Signature	Last	First	Signature	
Goitlandia John  Guerrero Jean  Guevarra Elmer  Holden Abdul  Jeffers Alan  Johnson Kevin  Johnson Shakir  ARTURO Laing Tason  Leano Danette  Modalister McHarris Daniel  Signature Last First	Almonte	Carlos	Controller	Foster	Mitchell		
Guevarra  Guevarra  Guevarra  Guevarra  Holden  Abdul  Johnson  Fart  Alan  Johnson  Alan  Johnson  Alan  Johnson  Meano  Leano  Leano  Marica  Michard  Mich	Aparicio	Carlos	<i>'</i>	Goitiandia	John		
Guevarra  First  Guevarra  Guevarra  Guevarra  First  Guevarra  First  First	Avila	Nestor	Marke Mila	Guerrero	Jean		
Holden  Abdul  Jeffers  Johnson  Kevin  Johnson  Johnson  Alan  Johnson  Laing  Tason  Leano  Marica  Marica  Marica  Matos  McAllister  McHarris  McHarris  Daniel  Signature  Last  First  Fiesse	Baez	Roberto	1 de	Guevarra	Elmer		
Jeffers Alan  Johnson Kevin  Johnson Shakir  ARTUZO Laing Tason  Leano Danette  Leano Marica Hermogen  McAllister Richard Tomica McHarris  Signature Last First	Baquiran	Rogelio	Reformin (	Holden	Abdul	Redu Holan	
Johnson Kevin  ARTUZO Laing Tason  Leano Danette  Leano Marica Hermogen  Matos McAllister Richard Tohn McHarris Daniel  Last First  Louis Piesse	Blanck	Patrick	Tat Clared	Jeffers	Alan		
Johnson Shakir APRTUZO Laing Tason Leano Danette Leano Danette Lomiguen Eduardo Marica Hermogen Matos Salvino McAllister Richard To McHarris Daniel Last First	Boykins	Ben		Johnson	Kevin		
HRTIZO Laing Tason  Leano Danette  Wicton Dismans. Lomiguen Eduardo  Marica Marica Hermogen  Matos Salvino  McAllister Richard in  McHarris Daniel  Last First	Burbano	Ivan	Times of C	Johnson	Shakir		
Western Eigen Leano Danette Western Eigen Lomiguen Eduardo Marica Hermogen Matos Salvino McAllister Richard 7 McHarris Daniel Last First	Cadena	Arturo	ARTURO	Laing	Tason		
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Marica Hermogen  Matos Salvino  McAllister Richard 7  McHarris Daniel  Last First	Cisneros	Victor	Victor Eismons.	Lomiguen	Eduardo		
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	Safety Meeting SIGN-II	N SHEETS			bierie	ittended	

Effective Date: 5/16/2018

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attended

Page 1 of 2

Safety Training: ISO 4001 Audit Related Topic
Date: August 21, 2018
Presented by: William Reilley

			Presented by: William Reilley	141	The second secon	
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Last	First	Signature	Last	First	Signature	
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Safety Meeting SIGN-IN SHEETS Effective Date: 5/16/2018	N SHEETS		MACK Rev. B	Kabet	Page 1 of 2'	D D D

Safety Training: ISO 4001 Audit Related Topic Date: August 21, 2018

Presented by: William Reilley

		Presented by: William Reilley	HA 2,	PARDOUSWASTE MAJAGEMENT
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Reilley	Rivera	Perez	Peacock	Patterson	Patel	Parker	Palacios	Ortega	Olmsted	Nieto	Nath	Munoz	Muhia	Morales	Morais
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Safety Meeting SIGN-IN SHEETS Effective Date: 5/16/2018

### FACILITY: TROY CHEMICAL - NEWARK YEAR: 2018

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<sup>(3)(2)</sup> SPECIFY YES OR NO AND IDENTIFY ALL PROBLEM CONTAINERS/ARTICLES/BOXES. IF FACILITY DOES NOT STORE IGNITABLE OR REACTIVE WASTE, SPECIFY "N/A" -- NOT APPLICABLE. SPECIFY IF SECONDARY CONTAINMENT AREA HAS LEAKS, CORROSION, EROSION, ETC.

<sup>\*</sup>Instead of a hardcopy of the form with an actual signature, an electronic record is an acceptable substitute.

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## FACILITY: TROYCHENICAL-NEWARL YEAR: 2018

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IF NECESSARY, PROVIDE ADDITIONAL INFORMATION (E.G., PROBLEMS FOUND AND CORRECTIVE ACTION TAKEN) BELOW CR ON A SEPARATE ATTACHED PAGE. REFERENCE INSPECTION DATE.

PICK-UP SCHEDUCED FOR 9/12/18. COMPLETED.

ナマナマチ

<sup>333</sup> SPECIFY YES OR NO AND IDENTIFY ALL PROBLEM CONTAINERS/ARTICLES/BOXES
IF FACILITY DOES NOT STORE IGNITABLE OR REACTIVE WASTE, SPECIFY "N/A" -- NOT APPLICABLE,
SPECIFY IF SECONDARY CONTAINMENT AREA HAS LEAKS, CORROSION, EROSION, ETC.

<sup>\*</sup>Instead of a hardcopy of the form with an actual signature, an electronic record is an acceptable substitute.

FACILITY: POY (MEMICAL- NEWARK YEAR: 2018

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<sup>(3)</sup> (2) (3) SPECIFY YES OR NO AND IDENTIFY ALL PROBLEM CONTAINERS/ARTICLES/BOXES.
IF FACILITY DOES NOT STORE IGNITABLE OR REACTIVE WASTE, SPECIFY "NA" -- NOT APPLICABLE.
SPECIFY IF SECONDARY CONTAINMENT AREA HAS LEAKS, CORROSION, EROSION, ETC.

<sup>\*</sup>Instead of a hardcopy of the form with an actual signature, an electronic record is an acceptable substitute.

### FACILITY: TROY CINCOLI- NE WORKER: 2018

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SPECIFY YES OR NO AND IDENTIFY ALL PROBLEM CONTAINERS/ARTICLES/BOXES IF FACILITY DOES NOT STORE IGNITABLE OR REACTIVE WASTE, SPECIFY "N/A" -- NOT APPLICABLE, SPECIFY IF SECONDARY CONTAINMENT AREA HAS LEAKS, CORROSION, EROSION, ETC.

<sup>\*</sup>Instead of a hardcopy of the form with an actual signature, an electronic record is an acceptable substitute.

FACILITY: Tray Chemical-Newark YEAR: 2018

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<sup>323</sup> SPECIFY YES OR NO AND IDENTIFY ALL PROBLEM CONTAINERS/ARTICLES/BOXES
IF FACILITY DOES NOT STORE IGNITABLE OR REACTIVE WASTE, SPECIFY "N/A" -- NOT APPLICABLE, SPECIFY IF SECONDARY CONTAINMENT AREA HAS LEAKS, CORROSION, EROSION, ETC.

<sup>\*</sup>Instead of a hardcopy of the form with an actual signature, an electronic record is an acceptable substitute.

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### FACILITY: TROY CHEWICH -NEWWEAR: 2019

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<sup>333</sup> SPECIFY YES OR NO AND IDENTIFY ALL PROBLEM CONTAINERS/ARTICLES/BOXES.
IF FACILITY DOES NOT STORE IGNITABLE OR REACTIVE WASTE, SPECIFY "NA" -- NOT APPLICABLE.
SPECIFY IF SECONDARY CONTAINMENT AREA HAS LEAKS, CORROSION, EROSION, ETC.

<sup>\*</sup>Instead of a hardcopy of the form with an actual signature, an electronic record is an acceptable substitute.

FACILITY: TROY 本かろころい - NEWARK YEAR:

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IF NECESSARY, PROVIDE ADDITIONAL INFORMATION (E.G., PROBLEMS FOUND AND CORRECTIVE ACTION TAKEN) BELOW OR ON A SEPARATE ATTACHED PASE. REFERENCE INSPECTION DATE.

\*Instead of a hardcopy of the form with an actual signature, an electronic record is an acceptable substitute

R54002 IGNITABLE CORROSIVE C TRUTTORITED PER SOLVEL LOG CASA

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### FACILITY: TROY CHEMICAL-NEWARK YEAR: 2019

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IF NECESSARY, PROVIDE ADDITIONAL INFORMATION (E.G., PROBLEMS FOUND AND CORRECTIVE ACTION TAKEN) BELOW OR ON A SEPARATE ATTACHED PAGE. REFERENCE INSPECTION DATE

\*Instead of a hardcopy of the form with an actual signature, an electronic record is an acceptable substitute. LAST WASTE PICK-UP: 12/28/18.

7 BIT TOTES FOR WASTE PICK-UP ON 2/18/19. COMPLETE.

<sup>(1)</sup> SPECIFY YES OR NO AND IDENTIFY ALL PROBLEM CONTAINERS/ARTICLES/BOXES.
(2) IF FACILITY DOES NOT STORE IGNITABLE OR REACTIVE WASTE, SPECIFY "N/A" -- NOT APPLICABLE.
(3) SPECIFY IF SECONDARY CONTAINMENT AREA HAS LEAKS, CORROSION, EROSION, ETC.

### **EMERGENCY CONTINGENCY PLAN**

TROY CHEMICAL CORPORATION

ONE AVENUE L

NEWARK, NEW JERSEY 07105

December, 2006

Revised: December, 2007

No changes

December, 2008

No changes

November, 2009

No changes

November 2010

No changes

October, 2011

Revised, pgs. 3, 4, 10, 11, 12, 13, 14

Revised, pg. 3

June, 2012

Reviewed

August, 2013

Reviewed and Revised September, 2014

Pg.10 and Bldg.50 map

Revised July,2015,Bldg.50 and Emergency Coordinator

Revised

November, 2016

Emergency Coordinator (Secondary). Changed MSDS to SDS.

October, 2018

Revised, pgs. 6, 10-16, 36-37, Appendix II

### **EMERGENCY PHONE NUMBERS**

(Contacts to be made by the emergency coordinator as appropriate)

Newark Fire Department Dispatcher

911

Newark Police Emergency Response

911

N.J. Department of Environmental Protection

(877) WARNDEP (24 Hours)

Clean Harbors

732-248-1997

Environmental Products

908-486-8600

### EMERGENCY CONTINGENCY PLAN FOR TROY CHEMICAL CORP., NEWARK, N.J.

### GENERAL FACILITY DESCRIPTION

The Troy Chemical Corporation facility is a chemical manufacturing plant located on 1 Avenue L, Newark, New Jersey 07105. It has EPA I.D. # NJD002144517. The facility occupies approximately 6 acres in the City of Newark, Essex County, New Jersey. The telephone number is (973) 589-2500.

The processes conducted at the plant consist of a variety of chemical manufacturing operations, most of which are carried out on a batch basis.

### **PURPOSE**

The contingency plan is designed to minimize hazards to human health or the environment from fires, explosions, or any unplanned sudden or non-sudden release of hazardous substances to air, soil, or surface water.

In the event it becomes necessary (due to regulatory revision, plan failure, facility changes, changes in the list of emergency coordinators, or changes in the list of emergency equipment), this plan will be amended.

A copy of this contingency plan and all amendments to the plan will be maintained in the files at the facility, and will be submitted to all local police departments, fire departments, hospitals, and State and local emergency response teams that may be called upon to provide emergency services.

### **IMPLEMENTATION**

The provisions of the plan will be carried out immediately whenever there is a fire, explosion, or release of hazardous waste or hazardous substances which could threaten human health or the environment.

### EMERGENCY COORDINATOR

At all times, there will be at least one employee either on the facility premises or on call (available to respond to an emergency by reaching the facility within a short period of time) with the responsibility for coordinating all emergency response measures. This emergency coordinator will be thoroughly familiar with all aspects of the contingency plan, all operations and activities at the facility, the location and characteristics of hazardous materials handled, the location of all records within the facility, and the facility layout. In addition, this person will have the authority to commit the resources needed to carry out the contingency plan.

The primary emergency coordinator is

Robert Zedeck 3 Marberne Terrace, Livingston, NJ 07039 Office Phone # (973) 589-2500 x 3373 Home Phone # (973)422-1997 Cell Phone # (973) 610-4821

The following personnel are designated as secondary coordinators listed in the order in which they will assume responsibility as alternates:

Bill Reilley 5 Alexander Avenue, Haskell, NJ 07420 Office Phone # (973) 589-2500 x 3254 Home Phone # (973) 255-6334 Cell Phone # (973) 508-4628

If an incident occurs at a time when the plant is not operating or at a time when none of the designated emergency coordinators are at the plant, the guard on duty at the time will be responsible for notifying the proper authorities, and then an emergency coordinator.

**NOTE:** Emergency Coordinator within the text of this plan may also include Production Supervisor(s) on 2<sup>nd</sup> and 3<sup>rd</sup> shifts, but contact with primary and secondary coordinator is necessary by the Production Supervisor(s).

### ARRANGEMENTS WITH LOCAL AUTHORITIES

Arrangements will be made as follows:

- To familiarize local police, fire departments, and emergency response teams (such as ambulance squads) with the layout of the facility, properties of hazardous materials handled at the facility and associated hazards, places where facility personnel would normally be working, entrances to roads inside the facility, and possible evacuation routes.
- 2) There is only one police and fire department in the City of Newark which will respond to an emergency.
- With N. J. State emergency response teams, emergency response contractors and equipment suppliers in case their services might be required. (Arrangements have been made with Clean Harbors, Edison, N.J., 732-248-1997 and Environmental Products, 908-486-8600)
- 4) With a local hospital to familiarize it with the properties of hazardous substances handled at the facility, and the types of injuries or illnesses which could result from fires, explosions, or releases at the facility.

### EMERGENCY EQUIPMENT AVAILABLE AT FACILITY

A list of all the emergency equipment at the facility is attached (See Attachment #1). This table includes the location and physical description of each item on the list and a brief outline of its capabilities. Equipment on the list includes fire extinguishers and extinguishing systems, spill control equipment, communications and alarm systems, and decontamination equipment, among others. This table will be updated as necessary to reflect any changes in the quantities or types of equipment available for emergency use in the plant.

### RESPONSE PERSONNEL IN THE PLANT

### Fire or Explosion

An emergency paging system or evacuation horn will be used to warn facility personnel of a fire or explosion or major emergency which requires all facility personnel to be warned. All facility personnel will receive training in the proper use of hand held extinguishers to extinguish incipient fires and to assist them in escaping from a fire.

The Newark Fire Department has primary responsibility for extinguishing fires and Troy personnel will assist the Fire Department, when requested. An emergency siren has been installed to warn employees to evacuate the facilities when a major catastrophy occurs which could affect all Newark employees.

### Procedures:

Employees who discover a fire or emergency are directed to immediately notify their supervisor, who will alert all personnel of the emergency by the emergency paging system or evacuation horn. All persons will leave the area and follow their supervisor to a safe site for further instructions. The emergency coordinator will direct all the activities necessary to mitigate the emergency and will make sure that the Newark Fire Department has been notified of the fire. Upon arrival of the Newark Fire Department, the emergency coordinator will work with the Fire Chief to direct all efforts to extinguish the fire. The emergency coordinator will implement the evacuation plan.

### Release of Hazardous Substances to Air, Soil, or Surface Water:

Specific measures to be taken during air, water, soil releases is attached (See Attachment #3). Spill quantities on page 14.

### **EVACUATION PLAN**

### **Evacuation Decision:**

The emergency coordinator or one of his alternates will make the final decision to evacuate the facility.

### Evacuation Signal(s):

Plant personnel will be notified of a decision to evacuate by the emergency page system or evacuation horn.

A windsock to determine proper direction for evacuation is present at Building 40, 99 and at the top of the fractionator.

### **EVACUATION PLAN (cont.)**

### Evacuation Routes:

The main exit road from the facility provides one evacuation route; an alternate is the route through the grounds of Globe Metals, which is adjacent to Troy Chemical Corp.

The emergency coordinator will designate the evacuation route when he gives the evacuation signal. Personnel will follow their supervisors to the designated areas and await further instructions. All personnel are to be accounted for at the evacuation assembly area and first aid or other assistance will be provided. Emergency wardens have been designated to be responsible for evacuating specific areas of the plant (See Attachment #2). Evacuation routes are attached (See Attachment #4).

### **EMERGENCY PROCEDURES**

- Whenever there is an imminent or actual emergency condition, the emergency coordinator (or his designee) must immediately:
  - Activate internal facility alarms or communication systems, where applicable, to notify all facility personnel.
  - b) Notify appropriate State or local agencies with designated response roles if their help is needed. If the emergency is a fire, notify the Newark Fire Dept. at 973-733-7400 or 911.
- Whenever there is a release of hazardous materials, the emergency coordinator must immediately identify the character, exact source, and amount of any released materials.
- 3) The emergency coordinator must also assess possible hazards to human health or the environment that may result from the release, fire or explosion (for example, the effects of any toxic, irritating, or asphyxiating gases that are generated, or the effects of any hazardous surface water run-offs resulting from the use of water or chemical agents to control fire and heat-induced explosions.)
- 4) If the emergency coordinator determines that the facility has had a release, fire, or explosion which could endanger human health or the environment, he must report within 15 minutes his findings as follows:
  - a) If it appears that evacuation of local areas will be necessary, he must immediately notify appropriate local authorities, and will be available to help the appropriate officials decide whether local areas should be evacuated.
  - b) He must immediately notify the New Jersey Department of Environmental Protection at 1-877-WARNDEP. If this number is inoperable, then contact State Police at (609) 882-2000. The verbal report must include:
    - i) Name, title, and telephone number of reporter
    - ii) Name and address including county of facility
    - iii) Time and type of incident (e.g. release, fire) whether to land or water
    - iv) Common name and quantity of material(s) involved, to the extent known
    - v) Date and time discharge began, date and time when discovered, date and time when discharge ended
    - vi) The possible hazards to human health or the environment outside the facility
    - vii) Containment and clean up action taken
    - viii) Name and address of person responsible for the discharge

### EMERGENCY PROCEDURES (cont.)

- During an emergency, the emergency coordinator must take all reasonable measures necessary to ensure that fires, explosions, and releases do not occur, recur, or spread to other hazardous substances at the facility. These measures must include, where applicable, stopping processes and operations, collecting and containing released waste, and removing or isolating containers.
- 6) If the facility stops operations in response to a fire, explosion, or release, the emergency coordinator must monitor for leaks, pressure buildup, gas generation, or ruptures in valves, pipes, or other equipment, whenever this is appropriate.
- 7) Immediately after an emergency, the emergency coordinator must provide for treating, storing, or disposing of recovered waste, contaminated soil, or surface water, or any other material that results from a release, fire, or explosion at the facility.
- 8) The emergency coordinator must ensure that, in the affected area(s) of the facility:
  - a) No waste that may be incompatible with the released material is treated, stored, or disposed of until cleanup procedures are completed.
  - b) All emergency equipment listed in the contingency plan is cleaned and fit for its intended use before operations are resumed.
- 9) The owner or operator must notify the New Jersey Department of Environmental Protection and appropriate local authorities that the facility is in compliance with paragraph (8) before operations are resumed in the affected area(s) of the facility.
- 10) The owner or operator must note in the operating record the time, date, and details of any incident that requires implementing the contingency plan. Within 30 days after the incident, he must submit a written report on the incident to the New Jersey Department of Environmental Protection. The report must include as a minimum the following including page 6(a) and 6(b).
  - Name, address, and telephone number of the owner or operator
  - b) Name, address, and telephone number of the facility.
  - c) Date, time, and type of incident (e.g., fire, explosion)
  - d) Name and quantity of material(s) involved.
  - e) The extent of injuries, if any.
  - f) An assessment of actual or potential hazards to human health or the environment, where this is applicable.
  - g) Estimate quantity and disposition of recovered material that resulted from the incident.
  - h) Description of immediate actions that were taken.
  - i) Provide an implementation schedule to undertake suggested measures to climinate the problem.

### ATTACHMENT #1

EMERGENCY EQUIPMENT AND LOCATIONS (See Attachment #4 for specific locations in each building)

### A. Building 1 - Main Office & Laboratory

- 1) 1 ABC Fire Extinguishers (Main Office)
- 2) 1 Halon Fire Extinguishers (QC Lab)
- 3) 6 CO<sub>2</sub> Fire Extinguishers (QC Lab, Main Office)
- 4) 1 Safety Shower (QC Lab)
- 5) 2 CO<sub>2</sub> Fire Extinguisher (Micro Lab)
- 6) 2 Eyewashes (Microlab, QC Lab)

### B. Building 20 - Main Warehouse

- 1) 8 ABC Fire Extinguishers
- 2) 2 Safety Showers
- 3) 2 Eyewashes
- 4) 1 Air Pack
- 5) Speedy-dri (Outside Warehouse Building) (20, 50-lb bags)

### D. Lunchroom

1) 1 - ABC Fire Extinguisher

### E. Building 30 - Maintenance/Boiler Shop

- 1) 5 ABC Fire Extinguishers (2 Electrical Shop, 2 Boiler Room, 1 Maint Shop 2nd flr)
- 2) 1 CO<sub>2</sub> Fire Extinguisher (Welding Shop)
- 3) 1 Safety Shower (Boiler Room)
- 4) 1 Eyewash (Boiler Room)
- 5) Speedy-Dri (Outside Maintenance Shop) (20, 50-lb bags)
- 6) 2 Portable Pumps

### G. Electrical Panel Room

- 1) 1 CO<sub>2</sub> Fire Extinguisher
- 2) 2 Halon Fire Extinguishers

### H. Building 40/41

- 1) 6 ABC Fire Extinguishers (1st floor, 3rd floor-Bldg. 40, 1st floor, 3rd floor-Bldg. 41)
- 2) 1 CO<sub>2</sub> Fire Extinguisher (1st floor)
- 3) 1 CO<sub>2</sub> Fire Extinguisher (2nd floor)
- 4) 4 Safety Showers (1st Fl, 2nd Fl & 3<sup>rd</sup> Fl)
- 5) 6 Eyewashes (1st floor, 2nd floor, 3rd floor)

### I. Building 56 - Powder Blending Room

- 1) 3 ABC Fire Extinguishers (Powder Room)
- 2) 1 Eye Wash, 1 Safety Shower

### Communications System

- 1) Paging system exists throughout the entire facility.
- 2) Evacuation Horn

### ATTACHMENT #1 (cont.)

### K. Building 61

- 1) 6 ABC Fire Extinguishers (1 Entrance; 2- 1st floor; 3- 3rd floor)
- 2) 1 CO<sub>2</sub> Fire Extinguisher (Electrical Panel)
- 3) 2 Air Packs
- 4) 1 Safety Shower
- 5) 1 Eyewash

### L. Building 71 - Polyphase

- 1) 12 ABC Fire Extinguishers (Outside Building, 1st floor, 2nd floor, 3rd floor)
- 2) 3 CO<sub>2</sub> Fire Extinguishers (1 Control Room, 1 Chiller Room, 1 1st floor)
- 3) 3 Air Packs (2 Outside Control Room; 1 Baghouse Collector; )
- 4) 4 Safety Showers (1- 1st floor, 2- 2nd floor, 1- 3rd floor)
- 5) 4 Eyewashes (1- 1st floor, 2- 2nd floor, 1- 3rd floor)
- 6) 1 CO<sub>2</sub> (Chiller Room)
- 7) 2 Emergency air packs (3<sup>rd</sup> floor)

### M. Guard House

1) 1 - ABC Fire Extinguisher

### N. Building 81

- 1) 10 ABC Fire Extinguishers
- 2) 1 CO<sub>2</sub> Fire Extinguisher (Receiving Office)
- 3) 1 Eyewash & Shower
- 4) Chemical & oil absorbent pads (2nd level) (200 pads), (100-ft. of containment booms)

### O. Scale Hut

- 1) 1 CO<sub>2</sub> Fire Extinguisher
- 2) 1 Eyewash & shower

### P. Building 91

- 1) 5 ABC Fire Extinguishers (1st floor)
- 2) 2 CO<sub>2</sub> Fire Extinguishers (2nd floor)
- 3) 2 Safety Showers, 2 Eye Washes

### Q. Building 99 (Offices, Library and Labs)

- 1) 6 ABC Fire Extinguishers (R&D Lab; Office; Outside Powder Lab)
- 2) 5 CO<sub>2</sub> Fire Extinguishers(R&D, Office, Powder Lab)
- 3) 1 Safety Shower (R&D Lab)
- 4) 2 Eyewash (R&D Lab, Powder Lab)
- 5) 1 Fire Blanket (R&D Lab)

### R. Hazardous Waste Area

- 1) 1 CO<sub>2</sub> Fire Extinguisher
- 2) 1 ABC Wheeled Fire Extinguisher

### S. Boiler Room - Bldg. 36

- 1) 5- CO<sub>2</sub> Fire Extinguishers (3- Boiler Room, 2- Cooling Tower)
- 2) 1 Eyewash & Shower

### T. Spill Supply Cabinets (contains 50 containment pads, shovel per cabinet)

- 1) Across from building 71, Control Room
- 2) Next to East wall of building 56

### U. Transfer Hut

1) 1- ABC Fire Extinguisher

### EMERGENCY CONTINGENCY PLAN FOR TROY CHEMICAL CORP., NEWARK, N.J.

### ATTACHMENT #1 (cont.)

### CAPABILITIES OF EQUIPMENT

- 1) ABC Fire Extinguisher use on combustible materials, such as wood, paper, cloth and rubber plus flammable liquids, gases, grease, and electrical equipment.
- 2) BC Fire Extinguisher use on electrical equipment and on flammable liquids, gases, and greases.
- 3) ABC Wheeled Fire Extinguisher same as item 1 but has capabilities to handle larger fire than 20# unit.
- 4) CO<sub>2</sub> Fire Extinguisher has same capabilities as BC fire extinguisher.
- 5) Halon Fire Extinguisher use on electrical equipment and on flammable liquids, gases, and greases.
- 6) Air Packs use in oxygen deficient atmosphere where chemical fumes and gases are present.
- 7) Safety Shower use on victim that has been splashed with chemicals, acids, or caustics.
- 8) Eyewash use on victim that has been splashed with chemicals, acids, or caustics.
- 9) Speedy-dri use on oil and chemical spills to absorb the spilled materials.
- 10) Oil and chemical absorbent pads use on oil and chemical spills to absorb the spilled materials.

### ATTACHMENT #2

### **EMERGENCY EVACUATION WARDENS**

QC Manager

Quality Control Lab

Belal Rahim

Warehouse, Bldg. 20

Rotating Supervisor

Bldgs 40/41, 56, 61, 91, Effluent Area, Plant Yard, Polyphase

Clyde Dumont

Receiving, Bldg. 81

Nick Genoese

Maint. Shop

Comptroller

Main Office

On the 4:00 p.m. - 12:00 a.m. shift, the emergency wardens are as follows:

Supervisor

Bldg. 61, 56, 81 & surrounding area

Polyphase Bldg., Locker Room, Maint. Shop, Bldg. 40/41

& surrounding area

On the 12:00 a.m. - 8:00 a.m. shift, the emergency wardens are as follows:

Supervisor

Bldg. 61, 56, 81 & surrounding area

Polyphase Bldg., Locker Room, Maint. Shop, Bldg. 40/41

& surrounding area

The emergency wardens for each area and building will make sure that all personnel have evacuated the areas and buildings and have moved to a safe location.

### PLANT MONITORING PROCEDURES

The entire plant facility, including storage tanks, drum storage areas, and process reactors and equipment are visually inspected on a daily basis by plant supervisory and operations personnel. Remedial action is immediately taken if leaking equipment or spills are discovered.

### ATTACHMENT #3

### HAZARDOUS ATMOSPHERIC RELEASES RESPONSE

If a release to atmosphere of a hazardous substance should occur, the following specific actions will take place:

- 1) The area supervisor will immediately evacuate employees from the area of the release and begin shutdown of operations.
- 2) The emergency coordinator or his alternate (listed on page 2 of the Contingency Plan) will also be notified of the release.
- 3) The emergency coordinator will determine, with the area supervisor, the nature and the quantities of the release. Raw material and finished product material safety data sheets (SDS) are available for the emergency coordinators. As soon as the released material has been identified, reference will be made to the SDS which lists the procedure to handle the release as well as personnel safety information. Incidental releases, where the substance can be absorbed, neutralized or otherwise controlled at the time of release by employees in the immediate release area, will be handled in-house provided that employees have been provided with, trained, and regularly wear the appropriate PPE.
- 4) The emergency coordinator(s) will make the decision to implement the site-wide facility evacuation procedures depending upon the quantity and nature of the material in conjunction with information obtained from the SDS and the Occupational Health Guidelines for Chemical Hazards.
- The emergency coordinator will delegate to a subordinate the responsibility of contacting facility response personnel as well as appropriate outside emergency agencies if it is determined that the release cannot be contained by plant personnel. The outside agencies will receive pertinent information regarding the release to render a decision to evacuate the surrounding industrial area. The State D.E.P. will also be notified of the release.
- 6) A clean up team will receive instructions from the emergency coordinator(s) as to containment of the release. This response team will enter the area with appropriate safety equipment and insure that operations have ceased, there is no further atmospheric release, and that all valves, pipes, or other equipment is secure against further releases. The emergency coordinator will assist the local and state authorities upon their arrival.
- 7) When the area is secure, cleanup will commence and disposal of contaminated material will be according to best engineering practices and/or regulatory requirements.
- 8) The emergency coordinator in conjunction with local regulatory authorities will determine when employees can re-enter the area.
- 9) The ERA Department will make the final decision regarding spill control, containment, and disposal.

**NOTE**: Emergency Coordinator may also be Production Supervisor(s) on second or third shifts who will also contact the primary and/or secondary coordinators.

ATTACHMENT #3 (cont.)

### HAZARDOUS SUBSTANCE RELEASE TO SURFACE WATER

In the event of a hazardous substance release to surface water, the following specific actions will be implemented:

(Note: The possibility of a hazardous substance spill to surface water is remote. The facility's storm drain system and in-plant process effluent system are drained to our wastewater-stormwater treatment facility. A hazardous spill would enter this system and be properly treated without any surface water contact. However, should a spill penetrate our defensive wastewater treatment facility, the following actions would be implemented.)

- Any employee who observes a hazardous substance spill which could possibly enter the surface water must immediately notify the emergency coordinator or supervisor. The employee or area supervisor will begin shutdown of operations which created the spill.
- The emergency coordinator will assess the situation and determine the nature and quantity of the spill. He will reference the SDS or other reference material to determine the appropriate safety and containment procedure. He will institute the evacuation plan, if required, and contact local agencies for evacuation, if needed. Incidental releases, where the substance can be absorbed, neutralized or otherwise controlled at the time of release by employees in the immediate release area, will be handled inhouse provided that employees have been provided with, trained, and regularly wear the appropriate PPE.
- 3) The coordinator or his subordinate will contact the ERA Department who will give the appropriate instructions for containment. The proper regulatory authorities will be contacted for assistance.
- 4) Plant personnel will collect the appropriate safety and spill containment equipment and proceed to the spill area.
- 5) The Coordinator or subordinate will utilize spill absorbents or spill booms to contain the spill. Every effort will be made to prevent further spread of the spilled material. Outside spill response teams will be contacted by the coordinator in order to lend assistance and specialized cleanup expertise.
- 6) Once the spill has been cleaned up, the contaminated absorbents will be disposed of as hazardous waste. Equipment used and supplies will be returned to their proper location at the facility.
- 7) The emergency coordinator will then decide to allow employees to return to their proper work location if local and state authorities concur.
  - 8) The ERA Department will make the final decision regarding spill control, containment, and disposal.

**NOTE**: Emergency Coordinator may also be Production Supervisor(s) on second or third shifts who will also contact the primary and/or secondary coordinators.

### ATTACHMENT #3 (cont.)

### HAZARDOUS SUBSTANCE RELEASE TO SOIL

Should a hazardous substance release to soil occur, the following actions will be implemented.

(Note: Plant operations occur on asphaltic or concrete surfaces. Any spills on these surfaces would not be able to penetrate into the soil. Should a spill occur, however, the following would be implemented.)

- 1) The employee and/or area supervisor will curtail operations which created the spill. Depending upon the nature and quantity of the spilled materials, employees within the immediate area may be evacuated by the supervisor or the emergency coordinator.
- The emergency coordinator will be notified of the spill and will determine from the SDS or other reference materials the best safety and containment procedures. He will also determine the need to contact outside agencies for evacuation and assistance. He will implement Troy's evacuation plan, if warranted. He will notify the State D.E.P. and the ERA Department. Incidental releases, where the substance can be absorbed, neutralized or otherwise controlled at the time of release by employees in the immediate release area, will be handled inhouse provided that employees have been provided with, trained, and regularly wear the appropriate PPE.
- 3) A cleanup team will receive instructions from the emergency coordinator regarding safety precautions and containment procedures for the spill. The team will obtain the required safety and containment equipment and proceed to the spill.
- 4) The ERA Department will contain the spill utilizing the appropriate containment equipment for the particular spill being controlled. Outside spill team contractors may be contacted if the spill warrants it.
- 5) Once the spill is contained, proper action will be taken to neutralize the material spilled and cleanup will commence. All contaminated cleanup and containment materials will be properly disposed.
- 6) When the emergency coordinator declares the area safe and regulatory authorities agree, employees may re-enter the area.
- 7) The ERA Department will make the final decision regarding spill control, containment, and disposal.

**NOTE:** Emergency Coordinator may also be Production Supervisor(s) on second or third shifts who will also contact the primary and/or secondary coordinators.

### CLEAN-UP PROCEDURE

Indicental spills can be handled by in-house employees as follows:

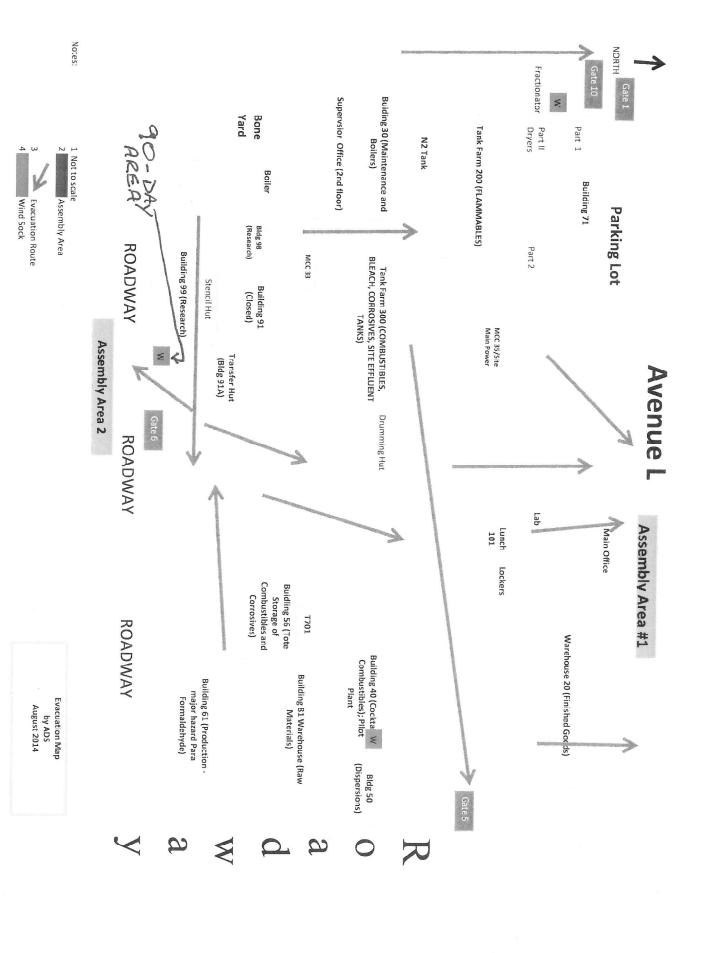
- 1) Spills of 20 gallons or less
- 2) Spills of solids of 50 pounds or less

The above spills will be handled based upon the hazard of the chemical spill via the information supplied by the SDS and the personal protective equipment needed. The emergency coordinator will make the final decision on clean-up.

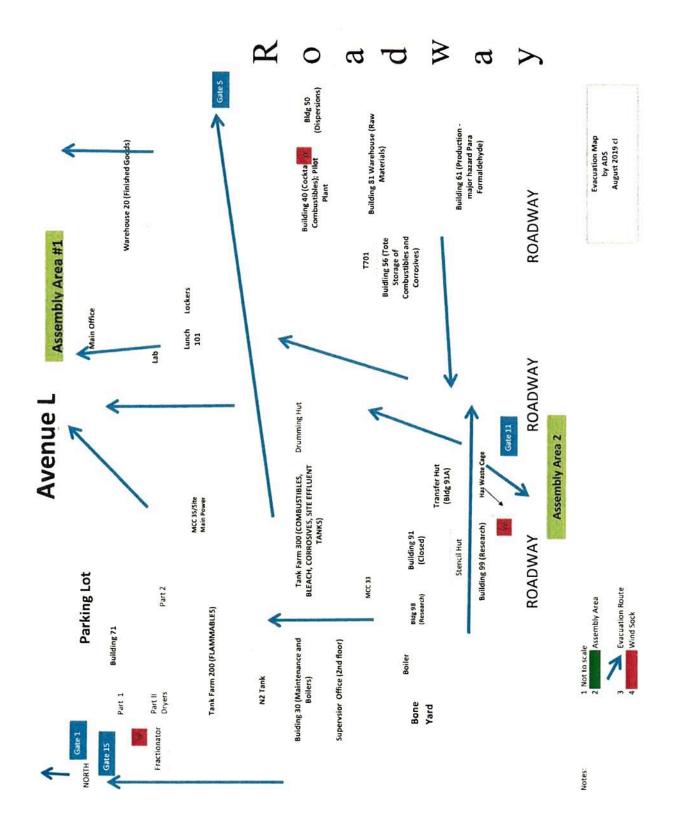
Spills greater than (1) or (2) will be mitigated per emergency coordinator's decision.

### Exceptions

Spills of highly hazardous chemicals of any quantity must be reported to the supervisors and emergency coordinators. Highly hazardous chemicals are propargyl alcohol, methanol, ammonia, butyl isocyanate, sodium hydroxide, paraformaldehyde, 174,186 and 192.



5		





### TROY CHEMICAL CORPORATION, INC.

Dr. Robert Anthony Mustillo Medical Director Ironbound Medical Services, LLC 221 Chestnut Street Newark, NJ 07105-1558

August 12, 2019

Dear Dr. Mustillo,

Troy Chemical Corporation is pleased to have Ironbound Medical Services, LLC (IMS) as a partner in providing urgent care for illnesses and injuries for our employees. IMS has also provided screening services for related medical evaluations such as Respirator Fit Testing.

In the event that any additional information is needed regarding materials that our employees work with, please contact our Safety Manager – Jim Manzella – by email or directly by phone. His email address is: manzellaj@troycorp.com and the phone contact information is: 973-589-2500 ext. 3342.

We appreciate your continued support and interest in the well-being of our employees.

Sincerely,

William Reilley

Environmental Manager Troy Chemical Corporation

reilleyw@troycorp.com

973-589-2500 ext. 3254

### Veolia ES Technical Solutions, L.L.C. (VES)

### ENVIRONMENTAL SERVICES AGREEMENT (\*modified)

Contractor Customer Service,	Contractor Contact:	
Florhan Park, NJ 07932 Contact Phone	Contact Phone	Contact Phone:
They Corporation 8 Vreeland Rd.	Newsork, N.2 07105	
NAME OF CUSTOMER AND CUSTOMER BILLING ADDRESS	CUSTOMER CONTRACTING ADDRESS (if different from filling Address)	CUSTOMER SERVICE LOCATION (if different from Helling Address)

NOTICE. THAVE READ THE ENTIRE AGREEMENT AND ACCEPT THE AGREEMENT IN ITS ENTIRETY, INCLUDING TERMS AND CONDITIONS PRINTED HEREUNDER, AND THAVE RECEIVED A TRUE COPY THEREOF.

Customer

Name Jesuline PEIZOLA

Title VP supply Chile, /pollutions for Date 7/3/7019

Date 7/3/7019

Date 7/3/7019

Date 7/8/707836

This Environmental Services Agreement, consisting of the terms and conditions set forth below, the Profile Sheet and such supplemental contract documents as are described herein (all of the foregoing being collectively referred to as the "Agreement"), is made as of the date shown above by and between the customer named above ("Customer") and Veolia ES Technical Solutions, L.L.C. ("Contractor").

- 1. DEFINITIONS The following terms used in this Agreement shall have the meanings set forth below:
- a. "Facility" means a storage, treatment and/or disposal facility approved by Contractor, and which is permitted to accept waste materials under applicable laws and regulations.
- b. "Profile Sheet" means a standard Contractor Generator's Waste Profile Sheet executed by Customer or Generator.
- c.\* "Services" means analytical, collection, management, treatment, remediation, transportation, emergency response, disposal and recycling services and such other services which Contractor may perform from time to time with respect to Customer's
- d. "Confirmation Document" means the document either signed by or otherwise consented to by Contractor and Customer which sets out the scope of Services to be performed and all other terms and conditions (including pricing) for the Services. The Confirmation Document may be amended by mutual written agreement of the parties.
- e. "Universal Wastes" means those wastes defined in 40 CFR §273.9.
- f. "Household Hazardous Wastes" means those wastes excluded from regulation as Hazardous Wastes pursuant to 40 CFR 261.4 (b) (1).

### 2. ORDERING SERVICES

a. Customer may provide Contractor with a proposal solicitation, purchase order or other equivalent document requesting particular Services which Customer wishes Contractor to perform. Unless the method of treatment or disposal for Customer's wastes is specifically identified in Customer's solicitation, purchase order or equivalent document, Contractor is responsible for selecting which lawful means of treatment or disposal of Customer's wastes will be employed. Customer shall in any event

Rev. 090517

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### \*EXHIBIT B

### EMERGENCY RESPONSE SERVICES RIDER TO ENVIRONMENTAL SERVICES AGREEMENT (ESA)

EMERGENCY RESPONSE. In addition to the terms and conditions contained in the ESA between Troy Chemical Corporation and Contractor, if the Work or Services involve emergency response in addition to the transportation and disposal of hazardous waste, the following environmental provisions shall also apply:

### SCOPE OF WORK

Contractor agrees to provide emergency response services (WORK) required for the mitigation of adverse environmental conditions arising from or by the release, spill, escape of oil, hazardous substances, pollutants or contaminants into the environment, at a location specified by Troy Chemical Corporation (Project Site or Site), and further identified on an Emergency Work Order (EWO) Attachment B-1. Contractor and Troy Chemical Corporation understand that the complete and exact WORK required may not be known at the time of Troy Chemical Corporation's request. The complete and exact WORK to be performed by Contractor shall be determined by Contractor in Contractor's professional discretion and in coordination with Troy Chemical Corporation's representative, whether or not Troy Chemical Corporation's representative is present at the Project Site.

Contractor, either directly or through Contractor's affiliated companies, or other Contractor-approved subcontractors, shall furnish all labor, materials, tools, equipment, unloading, hauling, taxes, insurance, and other items necessary, to perform the WORK in conformance with this Agreement. Contractor's affiliated companies shall include, but are not limited to, Veolia Water, Veolia ES Enterprise Solutions, and their respective operating subsidiaries.

### 2. ADMINISTRATION

Troy Chemical Corporation may request WORK by contacting Contractor's Emergency Response Dispatch Center at any time by calling 1-800-688-4005. An EWO will be prepared by Contractor's branch response manager and emailed to Donn Hirschmann (hirschmannd@troycorp.com cell 973-307-6977) for signature and approval, then return emailed to the response manager generating the EWO to confirm WORK contracted for hereunder by Troy Chemical Corporation.

### PRICING

The pricing associated with any emergency response services can be found on Attachment B-2.

7

Essex County Dept. of Health and Rehabilitation Health Officer Environmental Health Office 115 Clifton Avenue, 3<sup>rd</sup> Floor Newark, NJ 07104

To Whom It May Concern:

Enclosed please find the 2018 Community Right-To-Know Survey for Troy Chemical Corporation, Newark Facility.

If you need to contact me, my number is (973) 443-4200 ext. 2226.

Very Truly Yours,

Sid Alla Donn, Hirschmann

Manager, Product Safety Director, Safety, Health & Environmental

Newark Fire Department 1010 18<sup>th</sup> Avenue Newark, NJ 07106

To Whom It May Concern:

Enclosed please find the 2018 Community Right-To-Know Survey for Troy Chemical Corporation, Newark Facility.

If you need to contact me, my number is (973) 443-4200 ext. 2226.

Very Truly Yours,

Sid Alla Manager, Product Safety

Donn, Hirschmann Director, Safety, Health & Environmental

Newark Police Department 649 Market Street Newark, NJ 07105

To Whom It May Concern:

Enclosed please find the 2018 Community Right-To-Know Survey for Troy Chemical Corporation, Newark Facility.

If you need to contact me, my number is (973) 443-4200 ext. 2226.

Very Truly Yours,

Sid Alla Manager, Product Safety Donn, Hirschmann Director, Safety, Health & Environmental

Newark City Director Keith Isaac 480 Clinton Avenue, 3<sup>rd</sup> Floor Newark, NJ 07102

To Whom It May Concern:

Enclosed please find the 2018 Community Right-To-Know Survey for Troy Chemical Corporation, Newark Facility.

If you need to contact me, my number is (973) 443-4200 ext. 2226.

Very Truly Yours,

Sid Alla Manager, Product Safety

Donn, Hirschmann

Director, Safety, Health & Environmental



Clean Harbors 42 Longwater Drive P.O. Box 9149 Norwell, MA 02061-9149 781.792.5000 800.282.0058

www,cleanharbors.com

February 22, 2017

Mr. Dennis Huacon Troy Chemical Corporation One Avenue L Newark, NJ 07105

Dear Mr. Huacon:

Please let this letter serve as evidence that the STANDBY EMERGENCY RESPONSE AGREEMENT (SERA), executed on September 29, 2000 by Clean Harbors Environmental Services (CHES), with corporate offices in Norwell, Massachusetts and Troy Chemical Corporation is an "evergreen" agreement and, as such, remains in force on this date.

The purpose and intent of the SERA was, and continues to be, to provide the Troy Chemical Corporation with emergency oil spill response resources and response capabilities, as required under the Oil Pollution Act of 1990, according to the terms and conditions of the September 29, 2000 agreement and in accordance with the USCG OSRO Ratings on file with the USCG for Clean Harbors.

In the event that an Emergency Response is identified, contact 1-800-645-8265 (1-800-OIL-TANK) immediately to reach the Clean Harbors Emergency Operations Center. A Clean Harbors EOC Duty Operator will then be able to provide sound management throughout the course of the event and rapid response time of response equipment and personnel.

Clean Harbors holds all necessary permits to perform this type of emergency response, and has regular training programs in place for all of its responders, including, but not limited to, 40 hour OSHA "Hazwoper" training and annual 8 hour refresher.

Any questions on this matter should be directed to this writer at (781) 792-5000.

Sincerely,
John Rodier

## United States Environmental Protection Agency RCRA SUBTITLE C SITE IDENTIFICATION FORM



	Obtaining des HSM	or updating activity)	an EPA ID nur	mber for an on-	going regulated a	ctivity that will comtinu	e for a period o	f time (inclu	
Ø	Submitting	as a comp	onent of the Ha	zardous Wast	e Report for Repo	rting Year	2017		
		Site was a T	SD facility and	/or generator o	f >1.000 kg of hea	cardous waste, >1 kg conths of the report year	of south honord	ous waste, or >100 Ivalent LQG	
	Notifying ti	nat regulated	Activity is not	longer occurrir	ng as this site.				
			THE RESERVE THE PERSON NAMED IN COLUMN	the state of the s		nifest Broker activities			
			vised Part A Fr			The state of the s			
	02144517								
Site Name					10 m 10 m 10 m 10 m	a complete construction			
TROY	CHEMICAL	CORPOR	ATION, INC.						
ite Locatio	n Address								
Street A	dress	AVENUE	L					Acceptable of the second	
City, Tov	vn, or Village	: NE	WARK			County	NJ013		
State:	NJ		Country	บร		Zip Cod	e: 07105		
ite Mailing	Address								
Street Ad	ldress	1 AVE	NUE L						
City, Tow	n, or Village	: NE	WARK						
State:	NJ		Country:	us		Zip Code	x 07105		
te Land Ty	70			engo ministra					
Private		ounty	District	Federal	Indian	☐ Municipal	State	Other	
ICS Code(s	s) for the Sit	0							

Site Contact Information						Barama
First Name MARCUS	MI		L	ast Name L	EWIS	
Title DIRECTOR, SAFETY, HEAL	TH & ENVIR	ONMENTAL				
Street Address 1 AVENUE L						
City, Town, or Village NEWARK						
State NJ	Country	US		Zip Code	07405	
Email: LEWISM@TROYCORP.COM				zip Gude	07105	
Phone 9734434200	Ext	3386		Fax		
egal Owner and Operator of the Site  Name of Site's Owner:						
Full Name TROY CORPORATION				Date Became O	wner 08/04/	1979
Owner Type Private County	District	Federal	Tribal	☐ Municipal	State	Other
Street Address 8 VREELAND ROAD						
City, Town, or Village FLORHAM PARK						
State: NJ	Country	ÜS		Zip Code	07932	
mail					0.002	
hone 9734434200	Ext			Fax		
omments				· ·		
lame of Site's Operator:						
Name TROY CORPORATION			Data D			Arrivo Hills
erator Type Private County	District	Federal	Tribal	ecame Operator		
net Address 1 AVENUE L			moei	Municipal	State	Other
y, Town, or Village NEWARK				H (158.9)		
te: NJ	Country	US				ale rec
all				Zip Code	07105	
ne 9734434200	Sxt					
				Fax		

### 10. Type of Regulated Waste Activity (at your site)

Mark "Yes" or "No" for all current activities (as of the date submitting the form); complete any additional boxes as instructed

A	Hazard	ours	Magto	Activ	itioo

ON	1. 0	Senerator of I	lazardous Waste – if Yes, mark only one of the following - a, b, or c.	
	V	a. LQG	- Generates, in any calendar month (including quantities imported by importer site) 1,000 kg/mo (2,200 lbs./mo.) or more of hazardous waste; or - Generates, in any calendar month, or accumulates at any time, more than 1 kg/mo (2.2 lbs./mo) of acute hazardous waste; or - Generates, in any calendar month, or accumulates at any time, more than 100 kg/mo (220 lbs/mo) of	
		b. SQG	100 to 1,000 kg/mo (220 - 2,200 lbs/mo.) of non-acute hazardous waste and no more than 1 kg (2.2 lb ) of acute hazardous waste and n more than 100 kg (220 lb) of any acute hazardous split cleanup	
		c. VSQG	Less than or equal to 100 kg/mo (220 lbs./mo.) of non-acute hazardous waste.	
If "Yes"	above,	Indicate othe	r generator activities in 2 and 3, as applicable.	
Y Ø	2. St	ort-Term Ger s", provide a	nerator (generate from a short-term or onetime event and not from on-going processes).  n explanation in the Comments section.	
YO	-	The second second second	azardous and radioactive) Generator	
YØ	4. Tre	eater, Storer, ties.	or Disposer of Hazardous Waste Note: A hazardous waste Part B permit is required for these	
YO	5. Re	celves Hazar	dous Waste from Off-site	
YD	6. Re	cycler of Haz	ardous Waste	
		a. Recycler	who stores prior to recycling	
		b. Recycler	who does not store prior to recycling	
YO	7. Ex	empt Boller a	nd/or Industrial Furnace if Yes, mark all that apply.	
		a. Small Qu	antity On-site Burner Examption	
	П	b. Smelting.	Melting, and Refining Furnace Exemption	

### B. Waste Codes for Federally Regulated Hazardous Wastes.

Please list the waste codes of the Federal hazardous wastes handled at your site. List them in the order they are presented in the regulations (e.g., D001, D003, F007, U112). Use an additional page if more spaces are needed.

(0001) 0002 0003 0004 00055 0006 (0007 (0008) 0008 (0010 001 001 001 001 001 001 001 001 0	1 D048 D019 D022 F002 F003 F005 P005 P028 P029, P0
	6k

## C. Waste Codes for State-Regulated (i.e., non-Federal) Hazardous Wastes.

Please list the waste codes of the State hazardous wastes handled at your site. List them in the order they are presented in the regulations. Use an additional page if more spaces are needed.

-		-	in the same of the same of the same of			
EPA	Form	8700-12	9700-13	A/B,	8700-23.	Submit Date:

A. Other Wasta Activities  Y	under 40 CFR 266 Subpart G — if "Yes", mark all that apply.  cumulate 5,000 kg or more) - if "Yes" mark all that apply.  It is regulated.	1. Transporter of Hazardous Waste — If Yes, mark all that apply.    a. Transporter   b. Transfer Facility (et your eite)   2. Underground Injection Control   3. United States Importer of Hazardous Waste   4. Recognized Trader — If "Yes", mark all that apply.   a. Importer   b. Exporter   b. Exporter   c. Importer   b. Exporter   d. Importer   b. Exporter   d. Importer   e. Importer   a. Importer   l. Exporter   a. Importer   b. Exporter   b. Exporter   c. Importer   c. Importer   a. Importer   b. Exporter   c. Importer   c. Importer   a. Batteries   b. Pesticides   c. Mercury containing equipment   d. Lampe   a. Other (epecify)   1. Used Oil Transporter — If "Yes", mark all that apply   a. Transporter   d. Lampsorter — If "Yes", mark all that apply   a. Transporter — If "Yes", mark all that apply   a. Transporter — If "Yes", mark all that apply   a. Transporter — If "Yes", mark all that apply   a. Transporter — If "Yes", mark all that apply   a. Transporter — If "Yes", mark all that apply   a. Transporter — If "Yes", mark all that apply   a. Transporter — If "Yes", mark all that apply	Additional Re	gulated Waste Activity
a. Transporter  b. Transfer Facility (at your site)  Y  2 Underground Injection Control  Y  3 United States Importer of Hazardous Waste  Y  3 Linited States Importer of Hazardous Waste	under 40 CFR 266 Subpart G — If "Yes", mark all that apply.  cumulate 5,000 kg or more) - If "Yes" mark all that apply.  It is regulated.	a. Transporter  a. Transporter  b. Transfer Facility (at your site)  2. Underground Injection Control  4. Recognized Trader – If "Yee", mark all that apply.  3. United States Importer of Hazardous Weste  4. Recognized Trader – If "Yee", mark all that apply.  5. Importer  6. Exporter  7. S. Importer  6. Importer  7. Large Quantity Handler of Universal Weste (you accumulate 5,000 kg or more) – If "Yee", mark all that apply.  7. Note: refer to your State regulations to determine what is regulated.  8. Recognized Trader – If "Yee" mark all that apply.  9. Pesticides  9. A. Recognized Trader – If "Yee" mark all that apply.  10. Recognized Trader – If "Yee" mark all that apply.  11. Large Quantity Handler of Universal Weste (you accumulate 5,000 kg or more) – If "Yee" mark all that apply.  12. Resting Quantity Handler of Universal Weste (you accumulate 5,000 kg or more) – If "Yee" mark all that apply.  13. Returns — a. Batterfee  14. Lampe  15. C. Mercury containing equipment  16. Lampe  17. O. Other (specify)  17. Q. Other (specify)  18. Other (specify)  19. D. Destination Fadity for Universal Waste. Note: A hazardous waste permit may be required for this activity.  19. Used Oil Transporter — If "Yee", mark all that apply  19. Transporter  10. D. Transporter  10. Transporter  10. Transporter  11. Used Oil Transporter — If "Yee", mark all that apply  12. Used Oil Processor and/or Re-refiner — If "Yee", mark all that apply	. Other Wast	to Activities
D. Transfer Facility (at your site)   D. Transfer Facility (at your site)   D. Transfer Facility (at your site)   O. Underground Injection Control   O. Underground Injection   O. Underground Injection Control   O. Undergroun	cumulate 5,000 kg or more) - If "Yes" mark all that apply. It is regulated.  Zardous waste permit may be required for this activity.	D. Transportar   D. Exporter   D. Exporter	Y 10 1	. Transporter of Hazardous Waste If Yes, mark all that apply.
2. Underground Injection Control  2. Underground Injection Control  3. United States Importer of Hazardous Waste  4. Recognized Trader — If "Yes", mark all that apply.  a. Importer  b. Exporter  5. Importer/Exporter of Spent Lead-Acid Batteries (SLAs) under 40 CFR 266 Subpart G — If "Yes", mark all that apply.  a. Importer  b. Exporter  Universal Waste Activities  1. Large Quantity Handler of Universal Waste (you accumulate 5,000 kg or more) — If "Yes" mark all that apply. Note: refer to your State regulations to determine what is regulated.  a. Batteries  b. Pesticides  c. Mercury containing equipment  d. Lamps  d. Lamps  c. Other (specify)  e. Other (specify)  c. Other (specify)  2. Destination Facility for Universal Waste. Note: A hazardous waste permit may be required for this activity.	cumulate 5,000 kg or more) - If "Yes" mark all that apply. It is regulated.  Zardous waste permit may be required for this activity.	Y ① 2. United States Importer of Hazardous Weste Y ① 3. United States Importer of Hazardous Weste Y ① 4. Recognized Trader – if "Yes", mark all that apply.		a. Transporter
3. United States importer of Hazardous Waste  Y	cumulate 5,000 kg or more) - If "Yes" mark all that apply. It is regulated.  Zerdous waste permit may be required for this activity.	3. United States Importer of Hazardous Waste  4. Racognized Trader — If "Yes", mark all that apply.  a. Importer  b. Exporter  5. Importer/Exporter of Spent Lead-Acid Batteries (SLAs) under 40 CFR 268 Subpart G — If "Yes", mark all that apply.  a. Importer  b. Exporter  1. Large Quantity Handler of Universal Weste (you accumulate 5,000 kg or more) — If "Yes" mark all that apply. Note: refer to your State regulations to determine what is regulated.  1. Large Quantity Handler of Universal Weste (you accumulate 5,000 kg or more) — If "Yes" mark all that apply. Note: refer to your State regulations to determine what is regulated.  2. Batteries  3. D. Pesticides  4. C. Mercury containing equipment  5. C. Mercury containing equipment  6. Lamps  6. Other (epecify)  7. Other (epecify)  8. Other (epecify)  9. Other (epecify)  10. Destination Facility for Universal Waste. Note: A hazardous waste permit may be required for this activity.  and Oil Activities  1. Used Oil Transporter — If "Yes", mark all that apply  1. Transfer Facility (at your site)  2. Used Oil Processor and/or Re-refiner — If "Yes", mark all that apply		b. Transfer Facility (at your site)
4. Recognized Trader – if "Yes", mark all that apply.  a. Importer  b. Exporter  Y	cumulate 5,000 kg or more) - If "Yes" mark all that apply. It is regulated.  Zardous waste permit may be required for this activity.	4. Recognized Trader — if "Yes", mark all that apply.    a. Importer     b. Exporter     5. Importer/Exporter of Spent Lead-Acid Batteries (SLAs) under 40 CFR 268 Subpart G — if "Yes", mark all that apply.   a. Importer     b. Exporter     b. Exporter     b. Exporter     b. Exporter     b. Exporter     c. Importer     b. Exporter     c. Importer     c. Interest     c. Destination     a. Batteries     b. Pesticides     c. Mercury containing equipment     d. Lamps     d. Champs     e. Other (specify)     e. Other (specify)     d. Other (specify)     e. Other (specify)     d. Destination Facility for Universal Waste. Note: A hazardous wasts permit may be required for this activity.  and Oil Activities     d. Transporter — if "Yes", mark all that apply     e. Transfer Facility (at your site)     e. Used Oil Transporter — if "Yes", mark all that apply     e. Transfer Facility (at your site)     e. Used Oil Processor and/or Re-refiner — if "Yes", mark all that apply     e. Used Oil Processor and/or Re-refiner — if "Yes", mark all that apply     e. Used Oil Processor and/or Re-refiner — if "Yes", mark all that apply     e. Used Oil Processor and/or Re-refiner — if "Yes", mark all that apply     e. Used Oil Processor and/or Re-refiner — if "Yes", mark all that apply     e. Used Oil Processor and/or Re-refiner — if "Yes", mark all that apply     e. Used Oil Processor and/or Re-refiner — if "Yes", mark all that apply     e. Used Oil Processor and/or Re-refiner — if "Yes", mark all that apply	Y (1) 2	. Underground Injection Control
a. Importer b. Exporter  S. Importer/Exporter of Spent Lead-Acid Batteries (SLAs) under 40 CFR 268 Subpart G — If "Yes", mark all that apply.  a. Importer b. Exporter  b. Exporter  b. Exporter  Universal Waste Activities  1. Large Quantity Handler of Universal Waste (you accumulate 5,000 kg or more) — If "Yes" mark all that apply. Note: refer to your State regulations to determine what is regulated.  a. Batteries  b. Pesticides  c. Mercury containing equipment  d. Lampe  e. Other (epecify)  e. Other (specify)  2. Destination Facility for Universal Waste. Note: A hazardous waste permit may be required for this activity.	cumulate 5,000 kg or more) - If "Yes" mark all that apply. It is regulated.  Zardous waste permit may be required for this activity.	a. Importer b. Exporter  5. Importer/Exporter of Spant Lead-Acid Batteries (SLAs) under 40 CFR 288 Subpart G — If "Yes", mark all that apply.  a. Importer b. Exporter  b. Exporter  1. Large Quantity Handler of Universal Weste (you accumulate 5,000 kg or more) — If "Yes" mark all that apply.  Note: refer to your State regulations to determine what is regulated.  a. Batteries b. Pesticides  c. Mercury containing equipment d. Lampe c. Other (epecify) c. Other (epecify) c. Other (epecify) d. Other (epecify) 1. Used Oil Transporter — If "Yes", mark all that apply a. Transporter  1. Used Oil Transporter  1. Used Oil Transporter  1. Transporter  2. Used Oil Processor and/or Re-refiner — If "Yes", mark all that apply	Y ② 3.	. United States importer of Hazardous Waste
b. Exporter    S. Importer/Exporter of Spent Lead-Acid Batteries (SLAs) under 40 CFR 268 Subpart G — If "Yee", mark all that apply.   a. Importer   b. Exporter    Universal Weste Activities   1. Large Quantity Handler of Universal Weste (you accumulate 5,000 kg or more) — If "Yee" mark all that apply. Note: refer to your State regulations to determine what is regulated.   a. Batteries   b. Pesticides   c. Mercury containing equipment   d. Lampe   e. Other (epecify)   e. Other (epecify)   e. Other (epecify)   2. Destination Facility for Universal Waste. Note: A hazardous waste permit may be required for this activity.	cumulate 5,000 kg or more) - If "Yes" mark all that apply. It is regulated.  Zardous waste permit may be required for this activity.	b. Exporter     c. Importer/Exporter of Spant Lead-Acid Batteries (SLAs) under 40 CFR 266 Subpart G If "Yes", mark all that apply.   a. Importer     b. Exporter     b. Exporter     b. Exporter     c. Large Quantity Handler of Universal Weste (you accumulate 5,000 kg or more) If "Yes" mark all that apply. Note: refer to your State regulations to determine what is regulated.     a. Batteries     b. Pesticides     c. Mercury containing equipment     d. Lampe     e. Other (epecify)     e. Other (epecify)     e. Other (epecify)     e. Other (epecify)     1. Used Oil Transporter If "Yes", mark all that apply     a. Transporter     b. Transfer Facility (et your site)     c. Used Oil Processor and/or Re-refiner If "Yes", mark all that apply     c. Used Oil Processor and/or Re-refiner If "Yes", mark all that apply     c. Used Oil Processor and/or Re-refiner If "Yes", mark all that apply     c. Used Oil Processor and/or Re-refiner If "Yes", mark all that apply     c. Used Oil Processor and/or Re-refiner If "Yes", mark all that apply     c. Used Oil Processor and/or Re-refiner If "Yes", mark all that apply     c. Used Oil Processor and/or Re-refiner If "Yes", mark all that apply     c. Used Oil Processor and/or Re-refiner If "Yes", mark all that apply     c. Used Oil Processor and/or Re-refiner If "Yes", mark all that apply     c. Used Oil Processor and/or Re-refiner If "Yes", mark all that apply     c. Used Oil Processor and/or Re-refiner If "Yes", mark all that apply	Y 10 4.	Recognized Trader – if "Yes", mark all that apply.
S. Importer/Exporter of Sparit Lead-Acid Batteries (SLAs) under 40 CFR 266 Subpart G — If "Yes", mark all that apply.  a. Importer  b. Exporter  Universal Waste Activities  1. Large Quantity Handler of Universal Weste (you accumulate 5,000 kg or more) — If "Yes" mark all that apply. Note: refer to your State regulations to determine what is regulated.  a. Batteries  b. Pesticides  c. Mercury containing equipment  d. Lampe  e. Other (epecify)  e. Other (specify)  o. Other (specify)  2. Destination Facility for Universal Waste. Note: A hazzerdous waste permit may be required for this activity.	cumulate 5,000 kg or more) - If "Yes" mark all that apply. It is regulated.  Zardous waste permit may be required for this activity.	5. Importer/Exporter of Spent Lead-Acid Batteries (SLAs) under 40 CFR 266 Subpart G — if "Yes", mark all that apply.  a. Importer  b. Exporter  Interest Weste Activities  1. Large Quantity Handler of Universal Weste (you accumulate 5,000 kg or more) — if "Yes" mark all that apply. Note: refer to your State regulations to determine what is regulated.  1. Large Quantity Handler of Universal Weste (you accumulate 5,000 kg or more) — if "Yes" mark all that apply. Note: refer to your State regulations to determine what is regulated.  1. Large Quantity containing equipment  2. Lamps  3. Other (specify)  4. Cother (specify)  5. Other (specify)  6. Other (specify)  7. Destination Facility for Universal Waste. Note: A hazardous waste permit may be required for this activity.  8. Transporter  9. 1. Used Oil Transporter — if "Yes", mark all that apply  1. Transfer Facility (at your site)  9. Transfer Facility (at your site)		
a. Importer  b. Exporter  Universal Waste Activities  1. Large Quantity Handler of Universal Waste (you accumulate 5,000 kg or more) - if "Yes" mark all that apply.  Note: refer to your State regulations to determine what is regulated.  a. Batteries  b. Pesticides  c. Mercury containing equipment  d. Lamps  e. Other (epecify)  e. Other (specify)  2. Destination Facility for Universal Waste. Note: A hezardous waste permit may be required for this activity.	cumulate 5,000 kg or more) - If "Yes" mark all that apply. It is regulated.  Zardous waste permit may be required for this activity.	a. Importer  b. Exporter  1. Large Quantity Handler of Universal Waste (you accumulate 5,000 kg or more) - If "Yes" mark all that apply.  1. Large Quantity Handler of Universal Waste (you accumulate 5,000 kg or more) - If "Yes" mark all that apply.  Note: refer to your State regulations to determine what is regulated.  a. Batteries  b. Pesticides  c. Mercury containing equipment  d. Lamps  e. Other (specify)  e. Other (specify)  2. Destination Facility for Universal Waste. Note: A hazzardous waste permit may be required for this activity.  ad Oil Activities  1. Used Oil Transporter if "Yes", mark all that apply  a. Transfer Facility (at your site)  2. Used Oil Processor and/or Re-refiner if "Yes", mark all that apply	- [	] b. Exporter
a. Importer     b. Exporter     D. Large Quantity Handler of Universal Waste (you accumulate 5,000 kg or more) - if "Yes" mark all that apply. Note: refer to your State regulations to determine what is regulated.     D. Esticides     D. Pesticides     D. Mercury containing equipment     D. Lamps     D. Other (epecify)     D. Other (specify)     D. Other (specify)     D. Other (specify)     D. Other (specify)     D. Destination Facility for Universal Waste. Note: A hazardous waste permit may be required for this activity.	cumulate 5,000 kg or more) - If "Yes" mark all that apply. It is regulated.  Zardous waste permit may be required for this activity.	a. Importer     b. Exporter     b. Exporter     1. Large Quantity Handler of Universal Waste (you accumulate 5,000 kg or more) - If "Yee" mark all that apply. Note: refer to your State regulations to determine what is regulated.   a. Batteries     b. Pesticides     c. Mercury containing equipment     d. Lamps     e. Other (epecify)     e. Other (epecify)     2. Destination Facility for Universal Waste. Note: A hazardous waste permit may be required for this activity.  and Oil Activities     1. Used Oil Transporter If "Yes", mark all that apply     a. Transfer Facility (et your site)     2. Used Oil Processor and/or Re-refiner If "Yes", mark all that apply	Y D 5.	importer/Exporter of Spent Lead-Acid Batteries (SLAs) under 40 CFR 266 Subpart G If "Vee" mark all that apply
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sed Oil Activities		ad Oil Activities  1. Used Oil Transporter — If "Yes", mark all that apply  a. Transporter  b. Transfer Facility (at your site)  2. Used Oil Processor and/or Re-refiner — If "Yes". mark all that apply		
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		a. Transporter  b. Transfer Facility (at your site)  2. Used Oil Processor and/or Re-refiner – If "Yes". mark all that apply	sed Oil Activi	
1. Used Oil Transporter If "Yes", mark all that apply		b. Transfer Facility (at your site)  2. Used Oil Processor and/or Re-refiner – If "Yes". mark all that apply	1	. Used Oli Transporter If "Yes", mark all that apply
a. Transporter		2. Used Oil Processor and/or Re-refiner – If "Yes". mark all that apply		a. Transporter
		Tee . main an unit appry	- Annual Control	b. Transfer Facility (at your site)
2. Used Oil Processor and/or Re-refiner – if "Yes". mark all that apply	all that apply		① 2.	. Used Oil Processor and/or Re-refiner – if "Yes". mark all that apply

a. Marketer Who Directs Shipment of Off-Specification Used Oil to Off-Specification Used Oil Burner

3. Off-Specification Used Oil Burner

4. Used Oil Fuel Marketer -- if "Yes", mark all that apply

b. Marketer Who First Claims the Used Oil Meets the Specifications

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**EPA ID Number** NJD002144517 12. Eligible Academic Entities with Laboratories - Notification for opting into or withdrawing from managing laboratory hazardous wastes pursuant to 40 CFR Part 262 Subpart K A. Opting into or currently operating under 40 CFR Part 262 Subpart K for the management of hazardous wastes in laboratories - if "Yes", mark all that apply. Note: See the item-by-item instructions for definitions of types of eligible aredemic entitles 1. College or University 2. Teaching Hospital that is owned by or has a formal written affiliation agreement with a college or university 3. Non-profit institute that is owned by or has a formal written affiliation agreement with a college or university YO B. Withdrawing from 40 CFR Part 262 Subpart K for the management of hazardous wastes in laboratories 13. Episodic Generation YO Are you an SQG or BSQG generating hazardous waste from a planned or unplaned eposodic event, lasting no more that 60 days, that moves you to a higher generator catefory. If "Yes", you must fill out the Addendum for Episodic Generator. 14. LQG Consolidation of VSQG Hazardous Waste YO Are you an LQG notifying of consolidating VSQG Hazardous Waste Under the control of the Same Person pursuant to 40 CRF 262.17(f)? If "Yes", you must fill out the Addendum for LQG Consolidation of VSQGs hazardous waste. 15. Notification of LQG Site Closure for a Central Accumulation Area (CAA) OR Entire Facility LQG Site Closure of a Central Accumulation Area (CAA) or Entire Facility A. Central Accumulation Area (CAA) or Entire Facility B. Expected closure date: mm/dd/yyyy C. Requesting new closure date: mm/dd/yyyy D. Date closed: \_ mm/dd/yyyy 1. In compliance with the closure performance standards 40 CFR 262.17(a)(8) 2. Not in compliance with the closure performance standards 40 CFR 282.17(a)(8) 16. Notification of Hazardous Secoundary Material (HSM) Activity 13 A. Are you notifying 40 CFR 260.42 that you will begin managing, are managing, or will stop managing hazardous secondary material under 40 CFR 260.30, 40 CFR 261.4(a), (24), or (27)? If "Yes", you must fill out the Addendum to the Site identification Form for Managing Hazardous Secondary Material. YO B. Are you notifying 40 CFR 260.43(a)(4)(iii) that the product of your recycling process has levels of hazardous constituents that are not comparable to or unable to be compared to a legitimate product or imfermediate but that the recucling is still lefitimate? If "Yes", you may provide explanation in Comments section. You must also decument that vour recycling is still legitimate and maintain that documentation on site 17. Electronic Manifest Broker Are you notifying as a person, as defined in 40 CFR 260.10, electing to use the EPA electronic manifest system to obtain, complete, and transmit an electronic manifest under a contractual relationship with a hazardous waste generator?

were prepared under my direction or supervision in

Title

**Printed Name** 

Email!

## PASSAIC VALLEY SEWERAGE COMMISSION

## SEWER USE PERMIT

Permit #	20200049
(Please use the Permit Number	or on any a

(Please use the Permit Number on any correspondence with PVSC)
In compliance with the provisions of the Federal Water Pollution Control Act, its amendments, the Clean Water Act and Rules and Regulations of the Passaic Valley Sewerage Commission.

TROY CHEMICAL CORPORATION, INC.
(herein, after referred to as the Permittee) is authorized to discharge from a facility located at
1 AVENUE L
NEWARK, NEW JERSEY 07105

to the Passaic Valley Sewerage Commission Treatment Works in accordance with discharge limitations, monitoring requirements and other conditions set forth

EFFECTIVE DATE	05/01/2016					
EXPIRATION DATE	04/30/2021					
PASSAIC VALLEY SEWERAGE COMMISSION						
BY						
Gregory A. Tramontozzi Executive Director						

Rev: 09/2017

## SECTION A

## CONDITION SPECIFIC TO THIS PERMIT

## 1. Sampling

- 1.1 Samples and measurements taken as required under this permit shall be representative of the monitored activity. All samples shall be taken at the monitoring points approved by the PVSC and specified in this permit. Unless other wise specified, all samples shall be drawn by a 24-hour composite sampler acceptable to the PVSC which shall be equipped with attachments appropriate for affixing seals. During and after collection, the sample shall be maintained between 1°C 4°C.
- 1.2 In addition to the other sample requirements set forth in SECTION A, PART 2 of this permit, the Permittee shall comply with the following:
  - (a) A one quart or one liter aliquot shall be set aside by 9.00 a.m. for Outlet (s) # 1 operating day and immediately refrigerated. A PVSC Representative may pick up this sample during the day. Any sample not picked up by the PVSC may be discarded at 5:00 p.m. on that day.
    - For User Charge the Permittee shall install a 24 hour composite sampler on Outlet (s) # 1 which shall be maintained in proper working order at all times.
  - (b) Samples that are taken for heavy metal analysis must be drawn by an automatic 24 hour composite sampler. A grab sample is not acceptable for metals compliance determination.

Rev: 09/2017

## PASSAIC VALLEY SEWERAGE COMMISSION 600 WILSON AVENUE **NEWARK, NEW JERSEY 07105**

### SIU FACT SHEET

Sewer Use Permit to discharge into Passaic Valley Treatment Plant

NAME & ADDRESS OF APPLICANT	NAME AND ADDRESS OF FACILITY WHERE DISCHARGE OCCURS
Troy Chemical Corporation, Inc. 1 Avenue L Newark, New Jersey 07105	Troy Chemical Corporation, Inc. 1 Avenue L Newark, New Jersey 07105

Description of Facility Operations: Mfg. Chemicals for Paint Industry

Million Gallons per Day (MGD) Industrial Wastewater: Approx. – 0.080 MGD

Number of Outlets: Industrial - 2

Sanitary - 0

Sample Point Locations:

40 CFR 455 (Outlet#1A): The Sample Point is located outside building #71 in the distribution collection sump.

PVSC Local Limit (Outlet#1): The Sample Point is located in a manhole outside in the front yard next to their sewer

monitoring shed.

Basis for Permit Conditions: 40 CFR 455.26 Subpart A (PSES), User Charge &

Pretreatment Equipment

Type of Pretreatment Equipment Installed: Continuous pH and LEL Recorders

**Duration of Sewer Use Permit:** 5 Years

Special Conditions or Remarks: Revision. Changed permittee to concentration based

categorical limitations & updated PVSC's Local limits. This company is subject to the Organic Pesticide Chemicals Manufacturing Categorical Pretreatment Standard 40 CFR 455 and PVSC Local

Limits.

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## M. JNITORING REQUIREMENTS AND DISCHARGE LIMITATIONS

(a)

(20200049-1). Such discharge shall be monitored as specified below. The table lists the limitations or procedures Beginning (05/01/2016) and lasting through (04/30/2021) the Permittee is authorized to discharge from outlet #

outside in the front yard next to their sewer monitoring shed. The Permittee shall submit volume and analysis results in readings for domestic discharge which will equal total volume discharged. The sample point is located in a manhole applicable to this outlet. The volume shall be determined from flowmeter readings on process discharge plus meter

accordance with PVSC User Charge Self-Monitoring Report Form MR-2.

	ROTTOFF	LYCIKEMENTS	REPORTING	PERIOD		Monthly	Monthly	VIIIIIII	*	*		Monthly
	MONITORING REOTHBERGER		SAMPLE	TYPE	24 hr. comp		24 hr. comp.	Q	Necorder	Recorder		AAAAX
IMITATION INCOME FORM MR-2.			MEASUREMENT	I DATE OF THE LAND	Twice/Month		Iwice/Month	Continuous		Continuous	XXXXXX	
DISCHARGE I IMITATIONS		DAILVMAV	WHAT IMAY		XXXXX	AAAAA	VVVVV	5 to 10.5	XXXXX		XXXXX	
DISCHAR		MONTHLY	AVERAGE	WWWW	AVVY	XXXXX		XXXXX	XXXXX		XXXXX	I ET D
EFFLUENT	CHARACTERISTIC	FAKAMETER		ВОД		TSS		рН	LEL**	Volumo	י סומוווס	* Permittee to store nH & 1 E1 n

ttee to store pH & LEL Recorder Charts and have available for review by PVSC personnel on demand. Regulated as defined in Appendix B, Pretreatment Limitation #2 of PVSC Rules and Regulations.

# MONITORING REQUIREMENTS AND DISCHARGE LIMITATIONS

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outside in the front yard next to their sewer monitoring shed. The Permittee shall submit volume and analysis results in readings for domestic discharge which will equal total volume discharged. The sample point is located in a manhole applicable to this outlet. The volume shall be determined from flowmeter readings on process discharge plus meter (20200049-1). Such discharge shall be monitored as specified below. The table lists the limitations or procedures Beginning (05/01/2016) and lasting through (04/30/2021) the Permittee is authorized to discharge from outlet # accordance with PVSC Pretreatment Discharge Monitoring Form MR-1. (p)

	REPORTING	PERIOD	Monthly	Monthly
MONITORING REOUIREMENTS	SAMPLE	TYPE	Grab*	XXXXX
REOU	MEASUREMENT	FREQUENCY	Monthly	XXXXX
DISCHARGE LIMITATIONS	DAILY MAX		150mg/l	XXXXX
DISCH LIMITA	MONTHLY	AVERAGE	100 mg/l	XXXXX
PVSC LOCAL LIMITS	PARAMETER		Non-Polar Material (SGT-HEM)	Volume

Sampling procedure must be in accordance with those specified by N.J.D.E.P.. Analysis procedure as defined by E.P.A. Method 1664 Revision A. BLANL

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# MONITORING REQUIREMENTS AND DISCHARGE LIMITATIONS

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applicable to this outlet. The volume shall be determined from batch flow meter totalizer. The sample point is located (20200049-1A). Such discharge shall be monitored as specified below. The table lists the limitations or procedures outside building #71 in the wastewater treatment room. The Permittee shall submit volume and analysis results in Beginning (05/01/2016) and lasting through (04/30/2021) the Permittee is authorized to discharge from outlet # accordance with PVSC Pretreatment Discharge Monitoring Report Form MR-1. (p)

O CFR 455.26 Subpart A(PSES)

				REPORTING	PERIOD		Monthly	Monthly
	JIREMENTS			SAMPLE	TYPE		XXXXX	(a)
	DISCHARGE LIMITATIONS MONITORING REQUIREMENTS			MEASUREMENT	FREQUENCY		Monthly	Monthly
	E LIMITATIONS		All units are in	nG/L	DAILY	MAA	XXXXX	(a)
			All u		MONTHLY	AVERAGE	XXXXX	(a)
40 CFK 455.26 Subpart A(FSES)	EFFLUENT	CHARACTERISTIC					Volume *	(a)

See Page 9 of 10, Section A-3 G of this Permit for Effluent Characteristics, Daily and Monthly Discharge Limitations, and Sample Type. (a)

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# MONITORING REQUIREMENTS AND DISCHARGE LIMITATIONS

procedures applicable to this outlet. The volume shall be determined from flowmeter readings on process plus manhole outside in the front yard next to their sewer monitoring shed. The Permittee shall submit volume and (b) Beginning (05/01/2016) and lasting through (04/30/2021) the Permittee is authorized to discharge from outlet # (20200049-1). Such discharge shall be monitored as specified below. The table lists the limitations or meter readings for domestic which will equal total volume discharged. The sample point is located in a analysis results in accordance with PVSC Pretreatment Discharge Monitoring Report Form MR-1.

	The second secon				
PVSC LOCAL LIMITS	DISCHARGE LIMITATIONS		MONITORING REQUIREMENTS	QUIREMENTS	
PARAMETER	mg/l DAILY MAXIMUM	mg/l THRESHOLD VALUE	MEASUREMENT FREQUENCY	SAMPLE TYPE	REPORTING PERIOD
Ţ					
Z.	3.98	0,40	Monthly	24 hr. comp.	Monthly
Pb	1.3	0.10	Monthly	24 hr. comp.	Monthly
Hg	90.0	900.0	Monthly	24 hr. comp.	Monthly
Z	3.12	0.30	Monthly	24 hr. comp.	Monthly
Zn	3.81	0.35	Monthly	24 hr. comp.	Monthly
Volume	XXXXX	XXXXXX	XXXXX	XXXXX	Monthly
		Year or the second control of the second con	The same of the sa		1

## TROY CHEMICAL CORPORATION, INC., NEWARK - #20200049

### 3. SCHEDULE OF COMPLIANCE

The Permittee is required to meet the following schedule of compliance:

- A. Analysis of wastewater parameters shall be performed by a laboratory that has been certified by the State of New Jersey. Permittee is required to submit all certified analyses as an attachment to the monthly MR-1 and/or MR-2 report.
- B. The Permittee is required to submit as an attachment to the MR-1 and/or MR-2 report monthly, a water balance showing meter readings used to calculate the reported volume discharged.
- C. Permittee to submit a periodic compliance monitoring report MR-2 form for monthly reporting requirements within twenty-one (21) days after the end date of each preceding month.
- D. Permittee to be in compliance with PVSC Local Limits.
  - Permittee to submit a periodic compliance monitoring report MR-1 form for monthly reporting requirements within thirty-five (35) days after the end date of each preceding month in accordance with General Pretreatment Regulations 40 CFR 403.12 section (e).
- E. If the Permittee has been authorized by the PVSC to certify for non-use for one or more heavy metals, the Permittee must sample the discharge in March and September of each year in order to prove continued compliance. If any analytical results exceeds the Threshold Value, but not the Local Limit, the Permittee shall analyze a sample each succeeding month until three successive monthly results are at or below the Threshold Value stated in the PVSC Rules and Regulations Section B-103.3 Table B-2.
- F. Pretreatment Compliance Requirements Pesticide Chemicals Manufacturing Categorical Pretreatment Standard 40 CFR 455.

Permittee to be in compliance with Pesticide Chemicals Manufacturing Categorical Pretreatment Standard 40 CFR 455.26 Subpart A (PSES)

Permittee to submit a periodic compliance monitoring report MR-1 form for monthly reporting requirements within thirty-five (35) days after the end date of each preceding month in accordance with General Pretreatment Regulations 40 CFR 403.12 section (e).

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## TROY CHEMICAL CORPORATION, INC., NEWARK #20200049

G. ADDITIONAL REQUIREMENTS SECTION A-3 CONTINUED:

	ADDITIONAL REQUIREMENTS S	SECTION A-	CONTIN	OED:	
	Troy Chemical	REGULATION		SAMPLE TYPE	
	40CFR455	CONCENTRATIO	)NS		
	EFFLUENT	LIMITS us	g/l	GRAB/	
#	CHARACTERISTICS	AVG	MAX	COMPOSITE	
1	1,1-Dichloroethylene	22	60	GRAB	
2	1,1,1-Trichloroethane	22	59	GRAB	
3	1,2-trans-Dichloroethylene	25	66	GRAB	
4	1,2-Dichlorobenzene	196	794	COMPOSITE	
5	1,2-Dichloropropane	196	794	GRAB	
6	1,2-Dichloroethane	180	574	GRAB	
7	1,3-Dichloropropene	196	794	GRAB	
8	1,4-Dichlorobenzene	142	380	COMPOSITE	
9	Benzene	57	134	GRAB	
10	Bromodichloromethane	142	380	GRAB	
11	Bromomethane	142	380	GRAB	
12	Chlorobenzene	142	380	GRAB	
13	Methyl Chloride (Chloromethane)	110	295	GRAB	
14	Total Cyanide	220	640	GRAB	
15	Dibromochloromethane	196	794	GRAB	
16	Dichloromethane (Methylene Chloride	36	170	GRAB	
17	Ethylbenzene	142	380	GRAB	
18	Total Lead	320	690	COMPOSITE	
19	Naphthalene	19	47	COMPOSITE	
20	Tetrachloroethylene	52	164	GRAB	
21	Tetrachloromethane (Carbontetrachloride)	142	380	GRAB	
22	Toluene	28	74	GRAB	
23	Tribromomethane (Bromoform)	196	794	GRAB	
24	Trichloromethane (Chloroform)	111	325	GRAB	

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## TROY CHEMICAL CORPORATION, INC., NEWARK - #20200049

## SECTION A-3 SCHEDULE OF COMPLIANCE CONTINUED

- I. Permittee must operate in accordance with its 09/12/2005 approved Slug Control plan.
- I. When possible the discharge of process wastewater shall be conducted only during dry weather, so as to minimize the impact on Combined Sewer Overflows. In these cases, the permittee shall make provisions to store or cease such flows during wet weather events.
- J. Sampling Waiver Applicability

The permittee has been identified as subject to 40 CFR 455.26 Subpart A (PSES), the Federal Categorical Pretreatment Standards for Existing Sources under the the Organic Pesticide Chemicals Manufacturing Subcategory. The permittee may, in accordance with 40 CFR 403.12(e)(2), seek to forego sampling of a pollutant regulated under the applicable categorical standard provided that it meets the conditions noted in the PVSC Rules and Regulations under Section 318.5.

K. The Permittee shall notify in writing, all agencies as directed by 40 CFR 403.12 (p) of any discharges classified hazardous waste under 40 CFR 261.

Rev: 09/2017

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## SECTION B CONDITIONS APPLICABLE TO ALL PERMITS

## 1. GENERAL

- 1.1 The Permittee shall comply with all conditions set forth in this permit <u>and</u> all applicable requirements which are set forth in N.J.S.A. 58:14-1 <u>et seq.</u> and the Rules and Regulations of the PVSC, as well as the Federal Clean Water Act, 33 <u>U.S.C.A.</u> § 1251 <u>et seq.</u> and the New Jersey Water Pollution Control Act, <u>N.J.S.A.</u> 58:10A-1 <u>et seq.</u> Failure to comply with all the terms and conditions of this permit shall constitute a violation of the Rules and Regulations of the PVSC.
- 1.2 All discharges shall be consistent at all times with the terms and conditions of this permit and no regulated pollutant shall be discharged more frequently than authorized or at a level in excess of that which is authorized by this permit.
- 1.3 The Permittee shall not discharge or deposit or cause or allow to be discharged or deposited into the Treatment Works or public sewer, any waste which causes or contains the following
  - Explosive Wastes Wastes in such quantity which may create a fire or explosion hazard to the Treatment Works, collection system or to the operation of the system, including but not limited to, wastewater with a closed cup flashpoint of less than 140 degrees Fahrenheit or 60 degrees Centigrade using the test methods specified in 40 CFR 261.21. Additional quantitative limitations on explosive wastes are specified in Appendix B, Pretreatment Limitation #2, B-201 of the PVSC Rules & Regulations.
  - Corrosive Wastes Wastes in such quantity which may cause corrosion or deterioration of the Treatment Works. Unless a higher limit is otherwise stated in the Sewer Use Permit issued to a user, all wastes shall have a pH not less than 5. Unless otherwise stated in the Sewer Use Permit, all wastes shall have a pH not more than 10.5. If PVSC requires the installation of a continuous pH recorder, the Permittee may exceed the upper or alkaline pH limit subject to the conditions contained in subsection 317. Prohibited materials include, but are not limited to, acids, sulfides, concentrated chloride or fluoride compounds, etc.

- (c) <u>Solids or Viscous Wastes</u> Solids or viscous wastes in amounts which may cause obstruction to the flow in a sewer, or otherwise interfere with the proper operation of the Treatment Works. Prohibited materials include, but are not limited to, uncomminuted garbage, bones, hides, or fleshings, cinders, sand, stone or marble dust, glass, etc.
- (d) Floatable Pollutants (1) Petroleum oil, non-biodegradable cutting oil, or products of mineral oil origin in amounts that will cause interference or pass through, (2) any wastes containing floatable fats, wax, grease, oils, or any other floatable pollutants, (3) any industrial wastes containing more than 150 mg/l daily max and /or 100 mg/l monthly average of petroleum based oil or grease.
- (e) Noxious Materials (1) Pollutants which result in the presence of toxic gases, vapors or fumes within the POTW in a quantity that may cause acute worker health and safety problems, (2) noxious liquids, or gases, which in sufficient quantity either singly or by interaction with other wastes, are capable of creating a public nuisance or hazard to life, or are or may be sufficient to prevent entry into a sewer for its maintenance and repair.
- (f) Radioactive Wastes Radioactive wastes or isotopes of such half-life or concentration that they do not comply with regulations or orders issued by the appropriate authority having control over their use and which will, or may, cause damage or hazards to the Treatment Works or personnel operating the system.
- Interference/Pass through Any waste, including discharges of oxygen demanding wastes (BOD, etc.) released or discharged at a flow rate and/or pollutant concentration which causes or threatens to cause an upset at the PVSC Treatment Works, or which causes or threatens to cause a violation of the PVSC's NJPDES Permit conditions.
- (h) Excessive Discharge Rate Industrial wastes discharged in a slug or such volume or strength so as to cause a treatment process upset and subsequent loss of treatment efficiency.

- (i) <u>Heat</u> (1) Any discharge in excess of 150°F (65°C). (2) Heat in amounts which would inhibit biological activity in the PVSC Treatment Works resulting in a treatment process upset and subsequent loss of treatment efficiency.
- (j) <u>Unpolluted Waters</u> Any unpolluted water including, but not limited to, cooling water and uncontaminated storm water, which will increase the hydraulic load on the Treatment System, unless specifically authorized by PVSC in accordance with Sections 301, 303 and 602.5 of these Rules and Regulations.
- (k) <u>Dilution</u> Increase in the use of process water, or an attempt in any other way, to dilute a discharge as a partial or complete substitute for adequate treatment to achieve compliance with a pretreatment standard or effluent limit.
- (l) <u>Violations</u> Wastes, which cause the PVSC treatment plant to violate its NJPDES Permit, applicable, receiving water standards, permit regulating sludge which is produced during treatment or any other Permit issued to PVSC.
- (m) <u>Hazardous Wastes</u> Those wastes designated by EPA as hazardous under 40 CFR 261.
- (n) <u>Trucked Pollutants</u> Any trucked or hauled pollutant, accepted at discharge points designated by the Chief Executive Officer, and only after approval is issued by PVSC.
- (o) <u>Ground Water</u> Any ground water, whether contaminated or uncontaminated, unless specifically authorized by PVSC in accordance with Sections 301, 303, and 602.5 of these Rules and Regulations.
- (p) <u>Stormwater</u> Any stormwater, whether contaminated or uncontaminated, unless specifically authorized by PVSC in accordance with Sections 301, 303 and 602.5 of these Rules and Regulations.

- (q) <u>Bypassed Wastes</u> Any wastewaters which would normally be monitored or pretreated, but are discharged to the sanitary sewer without being monitored or pretreated, unless specifically authorized by PVSC.
- (r) <u>Excess Heel Material</u> Any quantity of trucked or hauled material meeting the definition as contained herein, unless authorized by PVSC.
- 1.4 The Permittee shall not discharge or convey or permit to be discharged or conveyed to the PVSC Treatment Works any wastes containing pollutants of such character or quantity that.
  - (a) Impairs the PVSC's ability to protect the health and safety of the treatment plant workers.
  - (b) Will not be susceptible to treatment or will interfere with the process or efficiency of the Treatment Works.
  - (c) Violate any federal categorical pretreatment standard. As pretreatment standards for toxic or other hazardous pollutants are promulgated by USEPA for a given industrial category, all industrial users within that category shall conform to the USEPA timetable as well as any numeric limitations imposed by the USEPA.
  - (d) Violate a local limit imposed or adopted by the PVSC.
  - (e) Violate a Best Professional Judgment limit imposed or adopted by the PVSC.
  - (f) Cause the PVSC treatment plant to violate its NJPDES Permit, applicable receiving water standards, regulations and/or any permits governing sludge which is produced during treatment process, or any other permit issued to the PVSC.
- 1.5 The Permittee shall at all times maintain in good working order and operate all pretreatment control and monitoring equipment in strict accordance with all design specifications and manufacturer recommendations. Proper operation and maintenance includes, at a minimum, effective performance based upon specifications designed to meet applicable effluent limits, adequate funding, adequate operator staffing and training and adequate laboratory and process controls.

- 1.6. The Permittee shall dispose of all solids, sludges, filter backwash or other pollutants or hazardous waste removed in the course of pretreatment or control of wastewaters and/or the treatment of the intake waters, in accordance with applicable Federal, State and local laws and regulations. Records documenting such disposal shall be made available to the PVSC for review upon request.
- 1.7 An Upset shall constitute an affirmative defense to an action brought for non-compliance if the following requirements are met. If the Permittee wishes to establish the affirmative defense of Upset, it shall demonstrate, through properly signed, contemporaneous operating logs or other relevant evidence that (1) an Upset occurred and the User can identify the cause(s) of the Upset; (2) the facility was at the time being operated in a prudent and workmanlike manner and in compliance with applicable operations and maintenance procedures; and (3) the Permittee has submitted the following information to PVSC within 24 hours of becoming aware of the Upset, except that a written submission must be provided within five days if the information is provided verbally:
  - (a) A description of the indirect discharge and cause of the non-compliance;
  - (b) The period of non-compliance including exact dates and time or, if not corrected, the anticipated time the noncompliance is expected to continue;
  - (c) Steps being taken and/or planned to reduce, eliminate and prevent recurrence of the non-compliance.

If the Permittee seeks to establish the occurrence of an Upset, it shall have the burden of proof. The User shall control production on all discharges to the extent necessary to maintain compliance with the prohibitions or limitations upon reduction, loss or failure of its pretreatment facility until it is restored or an alternative method of treatment is provided. This requirement shall apply to the situation where among, other things, the primary source of power to the pretreatment facility is reduced, lost or fails.

- 1.8 Bypass means the intentional diversion of wastestreams from any portion of the Permittee's treatment facility. Regarding notice:
  - (a) If the Permittee knows in advance of the need for a bypass, it shall submit prior notice to PVSC, if possible at least ten days before the date of the bypass.
  - (b) The Permittee shall submit oral notice of an unanticipated bypass that exceeds applicable Pretreatment Standards to PVSC within 24 hours from the time it becomes aware of the bypass. A written submission shall also be provided within 5 days of the time the Permittee becomes aware of the bypass. The written submission shall contain a description of the bypass and its cause; the duration of the bypass, including exact dates and times, and, if the bypass has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the bypass. PVSC may waive the written report on a case-by-case basis if the oral report has been received within 24 hours.

## 2. <u>INDUSTRIAL WASTE REPORTING</u>

- 2.1 <u>USER CHARGE:</u> User Charge monitoring results obtained during the previous month shall be reported monthly on a Discharge Monitoring Report Form (MR-2). The due date for properly signed reports shall be 21days after the reporting period ends. If the 21st day falls on a Saturday, Sunday or PVSC Holiday, then the report shall be due on the next PVSC work day. If the Permittee fails to submit the MR-2 Report on a timely basis the Executive Director shall estimate the usage for the period. The estimate may be made thirty (30) days after the due date of the report.
- 2.2 PRETREATMENT: Pretreatment monitoring results obtained during the previous month shall be reported monthly on a Discharge Monitoring Report Form (MR-1). The due date for properly signed reports shall be 35 days after the reporting period ends. If the 35th day falls on a Saturday, Sunday or PVSC Holiday, then the report shall be due on the next PVSC work day.

- 2.3 <u>DUE DATE:</u> MR-1 and MR-2 Reports must be physically delivered to the PVSC by Midnight of the date by which they are due. The use of certified mail or other means to document or guarantee delivery may be used if deemed necessary. Postmarks are not valid to demonstrate compliance with the due date requirement.
- 2.4 MAILING ADDRESS: Reports required herein must be addressed to:

PASSAIC VALLEY SEWERAGE COMMISSION ATTN: USER CHARGE & PERMIT MANAGEMENT 600 WILSON AVENUE NEWARK, NEW JERSEY 07105

- 2.5 **FACSIMILE / ELECTRONIC MAIL:** The Permittee may meet the requirement for submission by sending the report(s) via facsimile or electronic mail provided the report is received at the PVSC on any date up to and including the due date.
- 2.6 ANALYTICAL PROCEDURES: Analytical results for BOD, TSS or any other parameter as required by this permit shall be reported on the date that the sample was removed from the sampling device for analysis. The following procedure shall be used when reporting analytical results:
  - (a) The pollutant limit will define the precision, or number of digits to the right or left of the decimal point, to be reported.

(b) Calculated results shall be rounded off to the same precision as defined for that pollutant in the limit.

(c) Zeros in the pollutant limit are included in order to determine the precision.

(d) The following procedure shall be followed when rounding off results:

(i) Round off by dropping digits that are irrelevant. If the digit 6,7,8 or 9 is to be dropped, increase the preceding digit by one unit.

(ii) If the digit 0,1,2,3 or 4 is to be dropped, do not alter the preceding digit.

(iii) If the digit 5 is to be dropped, round off the preceding digit to the nearest even number (2.25 becomes 2.2 while 2.35 becomes 2.4).

- 2.7 **RECORDING OF RESULTS:** For each measurement of a sample taken pursuant to the requirements of this permit, the Permittee shall maintain a record of the following information:
  - (a) The date, exact places and time of sampling;
  - (b) The dates the analysis were performed;
  - (c) The person(s) who performed the analysis;
  - (d) The analytical techniques or methods used; and
  - (e) The results of all required analyses.
- 2.8 **RECORDS RETENTION:** The Permittee shall maintain such records as necessary to demonstrate compliance with the requirements of this permit, the PVSC Rules and Regulations and any applicable State or Federal Pretreatment standard or requirement. All records and information resulting from the monitoring activities required by this permit including, all records of analysis performed, calibration and maintenance of instrumentation and recording from continuous monitoring instrumentation, shall be retained for a minimum of five years.
- 2.9 <u>SEWER USE APPLICATION (SUA) RENEWAL</u>: The Permittee shall submit a renewal SUA within 180 days of the expiration of current Sewer Use Permit.

## 3. <u>INDUSTRIAL WASTE MONITORING</u>

- 3.1 MONITORING EQUIPMENT: The Permittee shall install, at his own cost and expense, whatever monitoring equipment is required by the conditions of this permit to facilitate the accurate observation, sampling and measurement of the discharge. Such equipment shall be kept safe, secured from unauthorized entry or tampering and accessible at all times. Monitoring equipment shall be calibrated as recommended by the manufacturer, except that LEL recorder shall be calibrated daily and pH recorders shall be calibrated at least weekly, whichever is more frequent.
- 3.2 Permittee shall safeguard any PVSC monitoring equipment that is installed at their facility. Permittee shall reimburse PVSC for any equipment that is either damaged or stolen from its point of installation. Reimbursement costs will be determined by PVSC.

- 3.3 The volume of each sample shall be proportional to the discharge flow rates unless specifically modified by PVSC. For a 24 hour continuous discharge, a minimum of 24 individual samples shall be collected at equal intervals and at least once per hour. For a continuous discharge of less than 12 hours, individual samples shall be taken at least once every 30 minutes. For discharges which are not continuous, individual samples shall be taken such that they will be representative of the plant waste water discharge.
- 3.4 Permittee shall notify the PVSC as soon as possible, but in no case later than 2 hours from becoming aware of the same, if a sampling, monitoring, recording or other device required in accordance with this permit becomes inoperable. Unless otherwise directed by the PVSC, the Permittee shall submit a written report to the PVSC, attention Industrial and Pollution Control Department, within 5 working days of the occurrence detailing what occurred, why it happened, what will be done to correct the problem and a date when the problem will be corrected. If the PVSC approves the corrective action and it is expected to take more than two months from the date of occurrence to complete, the Permittee shall submit monthly progress reports until such time as the problem is corrected.
- NOTIFICATION OF NON-COMPLIANCE: If, for any reason, the Permittee does not comply with or will be unable to comply with any effluent limitation specified in this permit, or discharges any waste and meets the Slug Discharge Definition as defined in Appendix A, of the PVSC Rules and Regulations, including any changes at its facility affecting the potential for a slug discharge, the Permittee shall notify the PVSC within 24 hours of such occurrence.
- 3.6 If this report is made orally, a written report containing the following information, shall be submitted within five (5) working days:
  - (a) A description of the discharge and the cause of the period of noncompliance;
  - (b) The period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the non-compliance is expected to continue, and
  - (c) The steps being taken to reduce, eliminate and prevent a recurrence of the non-complying discharge.

- 3.7 The Permittee shall take all reasonable steps to minimize any adverse impact to the PVSC Treatment Works resulting from noncompliance with any pretreatment limitations specified in this permit, including such accelerated or additional monitoring as necessary to determine the nature and impact of the non-complying discharge. This condition in no way affects PVSC's right to suspend a permit in order to stop a discharge which presents an imminent or substantial hazard to the public health, safety or welfare to the local environment or which interferes with the operation of the PVSC Treatment Works.
- 3.8 **TEST PROCEDURES:** Samples and measurements taken as required in this permit shall be representative of the volume and nature of the monitored discharge.
- 3.9 The Permittee shall perform all analyses in accordance with the test procedures identified under 40 C.F.R. Part 136. All test procedures, other than those identified in 40 C.F.R. Part 136, shall be considered as alternative test procedures. The Permittee is authorized to utilize an alternative test procedure only if prior written approval is received from the Chief Executive Officer in accordance with Section 319.2 of the Rules and Regulations of the PVSC.
- 3.10 Sample analyses of pollutants required by this permit shall be performed by a laboratory with a New Jersey certification for each pollutant analyzed.
- 3.11 If the Permittee monitors any pollutant at the location(s) designated more frequently than required by this permit using the approved analytical methods as specified above, the results of such monitoring shall be included in the calculation and reporting of the values required in the applicable Discharge Monitoring Report Form (PVSC Form MR-1 or MR-2). Such increased frequency shall also be indicated.
- 3.12 PVSC may authorize the Permittee to forego sampling of a pollutant regulated by its categorical Pretreatment Standard(s) if the Permittee has demonstrated through sampling and other technical factors that the pollutant is neither present nor expected to be present in the discharge, or is present only at background levels from intake water and without any increase in the pollutant due to activities of the Permittee. This authorization would be subject to the conditions cited at 40 CFR 403.12(e)(2)(i) through (vii). The following language shall be included in the control mechanisms for any Categorical Industrial User unless a sampling waiver has previously been granted:

"The Permittee has been identified as subject to 40 CFR 4XX.XX, the Federal Categorical Pretreatment Standards for Existing sources under the

Point Source Category. The Permittee may, in accordance with 40 CFR 403.12(e)(2), seek to forego sampling of a pollutant regulated under the applicable categorical standard provided that it meets the conditions noted in the PVSC Rules and Regulations under Section 318.5."

### 4. MANAGEMENT RESPONSIBILITIES

- 4.1 **RIGHT OF ENTRY:** The Permittee shall allow the authorized representatives of the PVSC, upon presentation of credentials to:
  - (a) Have immediate access to all the facilities directly or indirectly connected to the PVSC Treatment Works during normal working hours and at such other times as may be necessary during emergencies as determined by PVSC. No person shall interfere with, delay, or refuse entrance to a PVSC Inspector attempting to inspect the facility.
  - (b) Inspect the monitoring equipment and monitoring methods required in this permit or to sample any discharge of wastewater, copy any records required to be kept by this permit or PVSC Rules and Regulations and inspect and/or sample RCRA or other type waste or substances.
- transferable. This permit shall not be reassigned, transferred or sold to a new owner, new industrial user, or a new or changed operation. The Permittee shall notify the Chief Executive Officer in writing within (14) days of any sale or transfer of the industrial operations/facility covered by this Permit, or of any sale or transfer affecting the identity of those holding a controlling interest in the Permittee. The Permittee shall also provide written notice to the succeeding owner or controller of the existence of this Sewer Use Permit and the need to apply for a new permit. For purposes of this provision, the term "controlling interest" shall mean an interest held by a person or entity, or group of persons or entitles, who possess, directly or indirectly, the power to direct or cause the direction of the management and policies of the Permittee.

4.3 CHANGE IN DISCHARGE: Any change in the discharge, any anticipated facility expansion, production increases, or modification which will result in new, different, or increased discharges of pollutants regulated by PVSC must be reported by submission of a new Passaic Valley Sewerage Commission Sewer Use Application. If such changes will not violate the effluent limitations specified in this permit, then notice only to PVSC of such changes is required. Following such notice the permit may be modified to specify and limit any pollutants not previously limited.

All Industrial Users shall promptly notify the PVSC in advance of any substantial change in the volume or character of pollutants in their discharge.

#### 5. OTHER CONDITIONS

- 5.1 **PERMIT MODIFICATION:** After notice and opportunity for a hearing, this permit may be modified, or revoked in whole or in part during its term for cause including, but not limited to the following:
  - (a) Violating any terms or condition of this permit;
  - (b) Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or
  - (c) A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.
- TOXIC POLLUTANTS: Notwithstanding Section A Part 2 of this permit, if a toxic effluent standard or prohibition (including any schedule of compliance specified in such effluent standard or prohibition), is established under Section 307(b) of the Federal Water Pollution Control Act, its amendments, or any other subsequent law or regulation for a toxic pollutant which is present in the discharge, and such standard or prohibition is more stringent than any limitation for such pollutant in this permit, this permit shall be revised or modified in accordance with the toxic effluent standard or prohibition and the Permittee so notified.
- CIVIL AND CRIMINAL LIABILITY: A violation of the PVSC Rules and Regulations or a violation of any term or condition contained in this Sewer Use Permit may subject the Permittee to enforcement and civil penalties of up to \$50,000 per day for each violation, and each day's continuance of the violation shall constitute a separate violation. Enforcement may include the institution of a civil action for injunctive relief and/or to recover civil penalties and/or referral to the appropriate agency for criminal enforcement.

- 5.4 STATE LAWS: Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the Permittee from any responsibilities, liabilities, or penalties established pursuant to any applicable State Law or regulation under authority preserved by Section 510, (33 U.S.C.A. § 1370) of the Federal Water Pollution Control Act as amended.
- PROPERTY RIGHTS: The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or Regulations.
- 5.6 **SEVERABILITY:** The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit shall not be affected thereby.
- 5.7 **DEFINITIONS:** The following definitions apply to this permit:
  - (a) "Composite" a combination of individual samples obtained at regular intervals over the entire discharge day.

(b) "Daily" - each operating day.

(c) "Daily Maximum Discharge" - the highest discharge by weight or other appropriate units, as specified herein, during any calendar day.

(d) "Grab" - an individual sample collected in less than 15 minutes.

(e) "Immediate Access" - access without delay but in no event beyond 10 minutes from the time the request is made known to the guard or employee.

(f) "Monthly" - one day each month during a normal operating day.

(g) "Monthly Average Value" - the sum of all daily discharges measured during a calendar month divided by the number of daily discharges measured during the month. Results may be expressed in mass loadings per day or concentration. The monthly average value does not apply to those parameters that are continuously monitored.

(h) "N/A" - not applicable.

(i) "Quarterly" - every three (3) months.

(j) "Weekly" - one day each week during a normal operating day.

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# Physical Inventory Record Sheet 7/18/2019

Warehouse:

30%

Prod. #	Material Name	Pack Size	Lot Number	Physical Count	Comments
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307113	VERSON K-14	Sallhh	170874391	2DRUMS	S 75
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519198	SA6 30, PL 340	39.65/65	15MSVY319A	0		2
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#### **Material Safety Data Sheet**

21080D

Revision Date: 05/30/2008

Issued: 05/30/2008

#### **FUNGITROL® 440S FUNGICIDE**

#### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Responsible Party: International Specialty Products

1361 Alps Rd. Wayne, N.J. 07470

U.S.A.

Telephone: (973) 628-4000

Emergency Telephone Number: CHEMTREC: 1-800-424-9300 or 703-527-3887 (Outside of the USA)

(Spill Related Emergencies)

PROSAR: 1-800-241-7439 (Health Related Emergencies)

Prepared By: Product Stewardship

Product Id: 21080D

Product Name: FUNGITROL® 440S FUNGICIDE

**CAS Registry Number:** 55406-53-6; 64742-95-6; 25265-71-8; 67-68-5

**CAS Name:** Carbamic acid, butyl-, 3-iodo-2-propynyl ester; Solvent Naptha (Petroleum), light

arom.; Propanol, oxybis-; Methane, sulfinylbis-

#### 2. HAZARDS IDENTIFICATION

**Emergency Overview** 

DANGER!

FLAMMABLE LIQUID.

EXTREMELY IRRITATING TO EYES AND MAY CAUSE SEVERE DAMAGE INCLUDING BLINDNESS.

MAY BE FATAL IF INHALED.

MAY BE HARMFUL IF SWALLOWED. CAUSES MODERATE SKIN IRRITATION. MAY CAUSE LUNG DAMAGE IF SWALLOWED.

**Hazard Overview** 

Target Organs: • Respiratory System

EyesSkin

Primary Route(s) of Exposure: Inhalation. Eyes. Skin.

**Acute Health Hazards:** Extremely irritating to eyes and may cause severe damage including blindness.

Causes moderate skin irritation.

Chronic Health Hazards: Unknown

Signs and Symptoms of Overexposure

**Eye Contact:** Extremely irritating to eyes and may cause severe damage including blindness.

**Skin Contact:** Causes moderate skin irritation.

**Ingestion:** May be harmful if swallowed.

**Inhalation:** May be fatal if inhaled.

21080D Page 1 of 6

3. COMPO	OSITION/INFORMATION ON HAZARDOUS INGREDIENTS
Components:	Weight %
PETROLEUM SOLVENT	25
(C8-C10)	
64742-95-6	
Carbamic acid. butyl-, 3-iodo-	40
2-propynyl ester (IPBC)	
55406-53-6	

4. FIRST AID MEASURES

Eye Contact: In case of contact, or suspected contact, immediately flush eyes with plenty of water

for at least 15 minutes and get medical attention immediately after flushing.

**Skin Contact:** Immediately wash with soap and plenty of water. Remove contaminated clothing.

Get medical attention if symptoms occur. Wash clothing before reuse.

**Ingestion:** Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek

medical attention. Never give anything by mouth to an unconscious person.

**Inhalation:** If inhaled, remove to fresh air. If not breathing or if breathing is difficult, give artificial

respiration or oxygen by trained personnel. Seek medical attention.

5. FIRE FIGHTING MEASURES

**NFPA Rating:** Health: 3 Flammability: 2 Reactivity: 0.

Flash Point (°F): 124

**Extinguishing Media:** water fog, carbon dioxide, foam, dry chemical

Unusual Fire/Explosion Hazards: Unknown

Special Protective Equipment: Fire fighters should wear full protective clothing, including self-contained breathing

equipment.

**HMIS RATING:** 

HEALTH 3
FLAMMABILITY 2
PHYSICAL HAZARD 0

6. ACCIDENTAL RELEASE MEASURES

**Personal Precautionary** 

Measures:

Use appropriate protective equipment.

**Procedure for** 

Cleaning/Absorption:

Remove ignition sources. Contain spill with sand or other inert materials.

7. HANDLING AND STORAGE

**Handling:** Do not get in eyes. Avoid contact with skin and eyes. Avoid breathing vapors, if

exposed to high vapor concentration, leave area at once. Wash thoroughly with soap

and water after handling.

**Storage:** Keep containers tightly closed when not in use. Store in a cool, dry place, out of

direct sunlight. Avoid ignition sources.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Controls:** Use in a well ventilated area.

**Respiratory Protection:** Use in a well ventilated area. Wear a NIOSH approved respirator appropriate for

airborne exposure at the point of use.

**Hand Protection:** All cleanable impervious glove types are acceptable.

21080D Page 2 of 6 **Eye Protection:** Chemical goggles; also wear a face shield if splashing hazard exists.

**Exposure Limits** 

Components:	ACGIH Threshold Limit Values Data - Time Weighted Average (TWA):	OSHA Specifically Regulated Substances Data - Time Weighted Average (TWA):
PETROLEUM SOLVENT (C8-C10) 64742-95-6	No TLV/TWA Established	No TLV/TWA Established
Carbamic acid. butyl-, 3-iodo- 2-propynyl ester (IPBC) 55406-53-6	No TLV/TWA Established	No TLV/TWA Established

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid

Color: Amber

Odor: Characteristic

Odor Threshold: Not available

**pH**: 7.0 (aqueous solution)

Specific Gravity: 1.15

Boiling Point (°F): 320

Melting Point/Freezing Point(°F): NA

Vapor Pressure: 0.65 torr @ 68° F

**Solubility:** Slightly soluble in Water / Miscible with solvents

10. STABILITY AND REACTIVITY

**Chemical Stability:** Stable under normal conditions of handling, use and transportation.

Hazardous Polymerization: Will not occur

Conditions to Avoid: None anticipated

Materials to Avoid: Strong acids and bases. Oxidizing materials. Corrodes metal packaging containers.

11. TOXICOLOGICAL INFORMATION

**Toxicity Test:** 

Acute Oral LD50 (mg/kg): 1984 (rat)

Acute Dermal LD50 (mg/kg): 1255 (rat)

Acute Inhalation LC50 (mg/l): 0.911 (4H) (rat)

**Sensitization:** Negative in the Buehler assay in guinea pigs at challenge concentrations.

Mutagenicity: Non-mutagenic (Bacterial Reverse Mutation Assay, Chromosomal Aberration Study,

Unscheduled DNA Synthesis) (IPBC)

Carcinogenicity: Not carcinogenic in rats after daily administration for 2 years via the diet (up to 80

mg/kg/day) (IPBC)

**Teratogenicity:** Does not cause reproductive or developmental toxicity or teratogenicity when

administered orally to mice or rats. (IPBC)

**Skin Irritation:** Moderately irritating to rabbit skin (Tall Oil Fatty Acid Amide)

21080D Page 3 of 6 **Eye Irritation:** Severely irritating to rabbit eye.

Other Information: 4-Week Feeding Study: administered to rats via the diet at 60, 125 or 250 mg/kg/day

for 4 weeks resulted in treatment-related effects at all doses. A NOEL was not

established. (IPBC)

13-Week Oral Toxicity: given to rats by gavage for 5 days/week for 13 weeks at 20,

50 or 125 mg/kg/day with a NOEL of 20 mg/kg/day. (IPBC)

The concentration and particle size distribution used to generate the above acute inhalation toxicity data were produced using methods and means that are highly unlikely to be generated during transport and are therefore not considered

reasonably foreseeable.

#### 12. ECOLOGICAL INFORMATION

Biodegradability: Not determined.

Aquatic Toxicity: Rainbow Trout: 24, 48, 72 and 96 hour LC50's in rainbow trout were >0.12, 0.097,

0.083 and 0.067 ppm respectively

Bluegill: 24, 48, 72 and 96 hour LC50's in Bluegill were >0.32, 0.23, 0.23 and

0.23pmm respectively

Daphnia magna: 48 hour LC50 in Daphnia magna was determined to be 0.645 ppm in a 48-hour static test without renewal of test media. In a chronic study, the 7-day,

14-day, and 21-day EC50's were 0.142, 0.136 and 0.133ppm respectively

Bioconcentration: low potential for concentration in aquatic biota Avian Toxicity: was not toxic when ingested by quail or malard ducks

(IPBC)

#### 13. DISPOSAL CONSIDERATIONS

**Disposal of Waste Method:** 

Federal, state and local disposal laws and regulations will determine the proper waste disposal/recycling/reclamation procedure. Disposal requirements are dependent on the hazard classification and will vary by location and the type of disposal selected.

	Components:	Carbamic acid. butyl-, 3-iodo-2-propynyl ester (IPBC) 55406-53-6
RCRA Class-	Listed.	

#### 14. TRANSPORT INFORMATION

**Land Transportation:** 

DOT (Non-Bulk):

UN/NA Number: UN1993

**DOT Shipping Name:** FLAMMABLE LIQUID N.O.S.(PETROLEUM SOLVENT)

Hazard Class: 3

Packing Group:

**DOT Marine Pollutant:** This product has been determined to be a marine pollutant.

DOT (Bulk):

UN/NA Number: UN1993

**DOT Shipping Name:** FLAMMABLE LIQUID N.O.S.(PETROLEUM SOLVENT)

Hazard Class: 3

Packing Group:

**DOT Marine Pollutant:** This product has been determined to be a marine pollutant.

21080D Page 4 of 6 Air Transportation (IATA):

UN Number: 1993

Proper Shipping Name: FLAMMABLE LIQUID N.O.S. (PETROLEUM SOLVENT)

Hazard Classification: 3

Packing Group:

**Sea Transportation (IMO):** 

UN/ID Number: 1993

Proper Shipping Name: FLAMMABLE LIQUID N.O.S. (PETROLEUM SOLVENT)

Hazard Classification: 3

Packing Group:

**Marine Pollutant:** This product has been determined to be a marine pollutant.

TDG (Canada):

UN Number: 1993

Proper Shipping Name: FLAMMABLE LIQUID N.O.S.(PETROLEUM SOLVENT)

Hazard Class: 3
Packing Group: III

**TDG Marine Pollutant:** This product has been determined to be a marine pollutant.

#### 15. REGULATORY INFORMATION

**TSCA Inventory List:** This product and/or its components is listed on TSCA.

California Proposition 65 Carcinogens & Reproductive Toxicity (CRT) List:

None of the components of this product is listed on CALPROP.

WHMIS Ingredient Disclosure

List:

None of the components of this product is listed on WHMIS Ingredient Disclosure list.

**Canada DSL Inventory List:** This product and/or its components is listed on DSL.

Canada NDSL Inventory List: This product and/or its components is not listed on NDSL.

Japan Inventory of Existing & New Chemical Substances

(ENCS):

This product and/or its components is not listed on ENCS.

Australia Inventory of Chemical

Substances (AICS) List:

This product and/or its components is listed on AICS.

**EU EINECS List:** This product and/or its components is listed on EINECS.

**ELINCS:** This product and/or its components is not listed on ELINCS.

·	Title III) Section 313 Toxic Chemical Data -	Title III) Section 302 Extremely Hazardous Substance -	302 Extremely Hazardous Spill Data - Reportable	Title III) Section 302 Extremely	EPCRA (SARA Title III) Section 313 Toxic Chemical -
Carbamic acid. butyl-, 3-iodo- 2-propynyl ester (IPBC) 55406-53-6	1.0 %				Listed.

#### **16. OTHER INFORMATION**

Prepared By: Product Stewardship

**Legend:** N.Av.= Not Available; N.A.= Not Applicable

**Important Note:** 

For purposes of this MSDS, International Specialty Products, as responsible party, provides the information herein which is intended for use by persons who have or should obtain professional knowledge and experience in the subjects discussed. ISP's industrial products are used as materials in the production of products by industrial customers. ISP usually has only limited information about the products of its customers and their composition, methods of manufacture and use. Accordingly, ISP MAKES NO WARRANTY, EXPRESS OR IMPLIED, AS TO THE ACCURACY, COMPLETENESS OR RELIABILITY OF INFORMATION HEREIN EXCEPT THAT SUCH INFORMATION IS, TO THE BEST OF ISP'S KNOWLEDGE AND BELIEF, ACCURATE AS OF THE DATE INDICATED. ISP recommends that customers independently test and evaluate its products and their products and processes in which ISP products are used in order to decide their safety and effectiveness.

\*\*\*END OF MSDS\*\*\*



#### **Material Safety Data Sheet**

21130C

**Revision Date:** 10/27/2009 **Issuing Date:** 10/27/2009

Fungitrol ® 940 Fungicide

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Company/Undertaking

International Specialty Products

Identification:

1361 Alps Rd. Wayne, N.J. 07470

U.S.A.

Telephone: (973) 628-4000

**Emergency Telephone:** 

CHEMTREC: 1-800-424-9300 or 703-527-3887 (Outside of the USA)

(Spill Related Emergencies)

PROSAR: 1-800-241-7439 (Health Related Emergencies)

Prepared By:

Product Stewardship

**Product Code:** 

21130C

**Product Name:** 

Fungitrol ® 940 Fungicide

**Product Use Description:** 

Biocide

FOR SAMPLING PURPOSES ONLY.

#### 2. HAZARDS IDENTIFICATION

**Emergency Overview** 

WARNING!

TOXIC BY INHALATION. SEVERE EYE IRRITANT MODERATE SKIN IRRITANT

Off-white Dispersion

**Hazard Summary** 

Target Organs:

Eyes

• Skin

· Respiratory System

Liver

· Gastrointestinal Tract

Primary Routes of Entry:

Eyes. Skin. Inhalation.

**Acute Health Hazard:** 

Toxic by inhalation.

Severe eye irritant.

Moderate skin irritant.

**Chronic Health Hazard:** 

Unknown

Symptoms of Overexposure

Eye Contact:

Severe eye irritant.

Skin contact:

Moderate skin irritant.

Ingestion:

Harmful if swallowed.

Inhalation:

Toxic by inhalation.

21130C Page 1 of 6

3.	COMPOSITION/INFORMATION ON INGREDIENTS
Components:	Weight %
Carbamic acid. butyl-, 3-iodo- 2-propynyl ester 55406-53-6	40
Titanium dioxide 13463-67-7	1-10

4. FIRST AID MEASURES

Eye Contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes.

Get medical attention immediately.

**Skin Contact:** Wash off immediately with soap and plenty of water Remove contaminated clothing and

shoes. Get medical attention if symptoms occur. Wash clothing before reuse.

**Ingestion:** Do not induce vomiting. If conscious, give 2 glasses of water. Get immediate medical

attention.

**Inhalation:** If inhaled, remove to fresh air. If breathing is irregular or stopped, administer artificial

respiration. Get medical attention.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media: water fog, carbon dioxide, foam, dry chemical

Combustion/Explosion Hazards: None Known

Special Protective Equipment For Wear self-contained breathing apparatus and protective suit.

Fire-Fighters:

#### **6. ACCIDENTAL RELEASE MEASURES**

**Personal Precautions:** Wear suitable protective equipment.

**Environmental Precautions:** The product should not be allowed to enter drains, water courses or the soil.

**Methods for Cleaning Up:** Soak up with inert absorbent material. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

**Handling:** Warning! Exercise care in handling and using this product. Avoid contact with skin

and eyes. Avoid breathing vapors, mist or gas. Move to fresh air in case of accidental

inhalation of vapors. Wash thoroughly after handling.

Storage: Keep container tightly closed. Keep in a dry, cool place. Keep away from direct

sunlight. Avoid freezing conditions.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Measures:** Use only in well-ventilated areas.

**Respiratory Protection:** Use only in well-ventilated areas. Use NIOSH approved respiratory protection.

Hand Protection: Impervious gloves

Eye Protection: Chemical resistant goggles must be worn. Face-shield

**Exposure Limits:** 

Components:	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)	U.S OSHA - Final PELs - Time Weighted Averages (TWAs)
Carbamic acid. butyl-, 3-iodo-2- propynyl ester 55406-53-6 (40)	No TLV/TWA Established	No TLV/TWA Established
Titanium dioxide	10 mg/m³	15 mg/m³ total dust

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Dispersion

Color: Off White

Odor: Not determined

Odor Threshold: Not available

**pH:** 5.3-7.3 (10% solution)

Specific Gravity: 1.20-1.26 (water=1)

Bulk Density: 10-10.5 (lbs/gal)

Boiling Point (°F): 212 (100°C)

Melting/Freezing Point (°F): <32 (<0°C)

Vapor Pressure: Not determined

Solubility: Miscible in Water

Flash Point (°F): Not determined

#### 10. STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions.

**Conditions to Avoid:** Avoid temperatures above 50 °C

**Hazardous decomposition** 

products:

Carbon monoxide, Carbon dioxide (CO2), lodine vapors.

#### 11. TOXICOLOGICAL INFORMATION

**Toxicity Test:** 

**Acute Oral Toxicity:** 1984 mg/kg (Rat) (based on similar product)

Acute Dermal Toxicity: 1225 mg/kg (Rat) (based on similar product)

Acute Inhalation Toxicity: 0.911 mg/l (4 hour) (Rat) (based on similar product)

Eye Irritation: Severe eye irritation (Rabbit) (based on similar product)

**Skin Irritation:** Moderately irritating to rabbit skin. (based on similar product)

Sensitization: Non- sensitizing to guinea pig skin. (Buehler) (based on a similar product)

Mutagenicity: Negative in Ames Test. (IPBC)

**Teratogenicity:** Does not cause embryotoxicity or teratogenicity when administered orally to rats at

doses up to 125 mg/kg/day from day 6-15 gestation (highest dose tested, IPBC).

Carcinogenicity: Not carcinogenic when administered in the diet of rats for 104 weeks. (IPBC)

This material contains titanium dioxide, a component that has been tested in several carcinogenicity studies. Lung tumors were observed in rats following high dose exposure by inhalation and in female rats exposed by intratracheal instillation. Other studies have shown no tumors in rats following inhalation exposure and no tumors in

mice or rats following oral exposure.

Components: IARC Monographs on Occupational Exposures to Chemical Agents List -

Components:	IARC Monographs on Occupational Exposures to Chemical Agents List -	NTP Report on Carcinogens List -	U.S OSHA - Carcinogens
Titanium dioxide 13463-67-7 (1-10)	Group 2B (Possibly Carcinogenic to Humans)		Listed

Other Information: 13-Week Oral Toxicity: given to rats by gavage for 5 days/week for 13 weeks at 20, 50

or 125 mg/kg/day with a NOEL of 20 mg/kg/day. Adverse effects included liver

cytomegaly and stomach irritation. (IPBC)

The concentration and particle size distribution used to generate the above acute inhalation toxicity data were produced using methods and means that are highly unlikely to be generated during transport and are therefore not considered reasonably foreseeable.

#### 12. ECOLOGICAL INFORMATION

Persistence and Degradability: Not readily biodegradable. (IPBC)

**Ecotoxicity:** LC50=0.067 ppm 96hour (Rainbow Trout) (IPBC)

LC50=0.27 ppm 96hour (Bluegill Sunfish) (IPBC) EC50=0.645 ppm 48hour (Daphnia Magna) (IPBC)

#### 13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods: Dispose of in accordance with local regulations.

Components:	RCRA Class-
Carbamic acid. butyl-, 3-iodo-2-	Listed
propynyl ester	
55406-53-6 (40)	

#### 14. TRANSPORT INFORMATION

#### Land Transport:

DOT (Non-Bulk):

UN/NA Number: UN3082

Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(3-lodo-2-propynyl

butyl carbamate)

Hazard Class: 9

Packing Group:

**DOT Marine Pollutant:** Marine pollutant

DOT (Bulk):

UN/NA Number: UN3082

Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(3-lodo-2-propynyl

butyl carbamate)

Hazard Class: 9

Packing Group:

**DOT Marine Pollutant:** Marine pollutant

Air Transport (IATA):

UN Number: 3082

Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(3-lodo-2-propynyl

butyl carbamate)

Hazard Class: 9

Packing Group:

Sea Transport (IMO):

UN/ID Number: 3082

Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(3-lodo-2-propynyl

butyl carbamate)

Hazard Class: 9

Packing Group:

Marine Pollutant: Marine pollutant

TDG (Canada):

UN Number: 3082

Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(3-lodo-2-propynyl

butyl carbamate)

Hazard Class: 9

Packing Group:

TDG Marine Pollutant: Marine pollutant

#### 15. REGULATORY INFORMATION

Inventories	Status
TSCA	Listed
DSL	Listed
NDSL	Not Listed
ENCS	Not Listed
AICS	Not Listed
EINECS	Not Listed
ELINCS	Not Listed
NZIoC	Not Listed
KECI	Not Listed
PICCS	Not Listed
IECSC	Not Listed

California Proposition 65
Carcinogens & Reproductive
Toxicity (CRT) List:

This product does not contain any chemicals known to State of California to cause cancer, birth, or any other reproductive defects.

#### **EPCRA (SARA Title III):**

Components:	EPCRA (SARA Title III) Section 313 Toxic Chemical Data - De minimis concentration:	EPCRA (SARA Title III) Section 302 Hazardous Substances	EPCRA (SARA Title III) Section 302 Extremely Hazardous Substance
Carbamic acid. butyl-, 3-iodo-	1.0 %		
2-propynyl ester			
55406-53-6 (40)			

WHMIS Ingredient Disclosure List: None of the components of this product is listed on WHMIS Ingredient Disclosure list.

**WHMIS:** This product has been classified in accordance with the hazard criteria required by the

Controlled Products Regulations and the MSDS contains all the information required by

the Controlled Products Regulations.

WHMIS Hazard Class: D1B TOXIC MATERIALS

D2A VERY TOXIC MATERIALS

D2B TOXIC MATERIALS



#### 16. OTHER INFORMATION

NFPA Rating: Health: 3 Flammability: 1 Reactivity: 0.

HMIS RATING:

HEALTH 3\*
FLAMMABILITY 1
PHYSICAL HAZARD 0

Prepared By: Product Stewardship

MSDS sections updated: None

**Legend:** N.Av.= Not Available; N.A.= Not Applicable

**Disclaimer:** For purposes of this MSDS, International Specialty Products, as responsible party,

provides the information herein which is intended for use by persons who have or should obtain professional knowledge and experience in the subjects discussed. ISP's industrial products are used as materials in the production of products by industrial customers. ISP usually has only limited information about the products of its customers and their composition, methods of manufacture and use. Accordingly, ISP

MAKES NO WARRANTY, EXPRESS OR IMPLIED, AS TO THE ACCURACY, COMPLETENESS OR RELIABILITY OF INFORMATION HEREIN EXCEPT THAT SUCH INFORMATION IS, TO THE BEST OF ISP'S KNOWLEDGE AND BELIEF, ACCURATE AS OF THE DATE INDICATED. ISP recommends that customers

independently test and evaluate its products and their products and processes in which

ISP products are used in order to decide their safety and effectiveness.

\*\*\*End of Safety Data Sheet\*\*\*

#### SAFETY DATA SHEET (SDS)

TROY CORPORATION

8 Vreeland Road FOR SDS INFORMATION: (973) 589-2500 24 HOUR EMERGENCY PHONE NUMBER Florham Park, NJ 07932

Effective Date: May 2, 2014 CHEMTREC 1-800-424-9300 Replaces: January 20, 2011

1. PRODUCT & COMPANY IDENTIFICATION

PRODUCT NAME MANUFACTURER Troy Chemical Corporation Mergal® 192 1 Avenue L

**CHEMICAL NAME** 4.4-dimethyloxazolidine

**CHEMICAL FAMILY** Amine C5 H11 O N **FORMULA SYNONYMS** None

Newark, N.J. 07105

Mergal® 192

**Product Code:** 

#### HAZARDS IDENTIFICATION

#### **EMERGENCY OVERVIEW**

Mergal® 192 is a white to pale yellow clear liquid with an amine odor. Highly alkaline, pH=11. Combustible liquid. May cause severe eye irritation with irreversible corneal damage as well as respiratory irritation. Signal word - DANGER. Excessive heat will result in decomposition to ammonia and, at temperatures in excess of 140°C (284°F), to formaldehyde. This material is toxic to fish and wildlife.

#### OSHA REGULATORY STATUS

This material is classified as hazardous under OSHA regulations

#### POTENTIAL HEALTH EFFECTS

**ROUTES OF ENTRY** Ingestion, skin contact, eyes, inhalation

**ACUTE EFFECTS** 

**INGESTION** Ingestion may cause gastrointestinal irritation, nausea, and vomiting. SKIN May cause slight skin irritation. This product is not a skin sensitizer.

**EYE CONTACT** May cause severe eye irritation and irreversible corneal damage if not washed from eyes promptly.

**INHALATION** May cause respiratory irritation. **CHRONIC EFFECTS** There are no known chronic effects.

**TARGET ORGANS** 

This product (or component) is not listed as a carcinogen according to OSHA, NTP, IARC, and ACGIH. CARCINOGENICITY

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

There are no known conditions aggravated by exposure to this product.

#### POTENTIAL ENVIRONMENTAL EFFECTS

This material is toxic to fish and wildlife. See Section 12 for additional information.

#### COMPOSITION/INFORMATION ON INGREDIENTS

The listed components are considered to be hazardous based on OSHA's Hazard Communication Standard. For further regulatory information, see Section 15.

CHEMICAL NAME	CAS#	%
4,4-dimethyloxazolidine	51200-87-4	73.7
3,4,4-trimethyloxazolidine	75673-43-7	1-3
2-amino-2-methyl-1-propanol	124-68-5	0.2-2

#### 4. FIRST AID MEASURES

Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by a poison control center or **INGESTION** 

doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.

**SKIN CONTACT** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center

or doctor for treatment advice.

**EYE CONTACT** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after 5 minutes,

then continue rinsing. Call a poison control center or doctor for treatment advice.

INHALATION Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably

mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

**NOTES TO PHYSICIAN** This product is highly alkaline, pH=10.8. Probable mucosal damage may contraindicate use of gastric lavage. Measures against

circulatory shock, respiratory depression, and convulsion may be needed.

#### Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

#### 5. FIRE FIGHTING MEASURES

#### FLAMMABLE PROPERTIES

Combustible liquid - Class II

FIRE EXTINGUISHING

Suitable extinguishing media - Dry chemical, carbon dioxide, water spray, or alcohol-resistant foam.

MEDIA

Unsuitable extinguishing media - Water jet Specific hazards arising from the chemical:

PROTECTION OF **FIREFIGHTERS** 

Thermal decomposition may release the following hazardous substances

Carbon monoxide, carbon dioxide, ammonia and formaldehyde.

Solvent vapors are heavier than air and may travel along the ground or be moved by ventilation and ignited by flames and ignition sources. Contact may cause burns to skin and eyes. Runoff to sewer may create fire or explosion hazard. Runoff from fire control or dilution water may cause pollution. Never use welding or cutting torch on or near drum (even empty) because product (even residue) can ignite explosively. Excessive heat in excess of 140°C (284°F) will result in decomposition to ammonia and formaldehyde.

Protective equipment and precautions for firefighters:

Move container from fire area if you can do it without risk. Apply cooling water to sides of containers that are exposed to flames until well after fire is out. Avoid breathing vapors, keep upwind. Positive pressure self-contained breathing apparatus with full facepiece and structural firefighters' protective clothing will provide limited protection.

#### SAFETY DATA SHEET (SDS)

TROY CORPORATION

8 Vreeland Road Florham Park, NJ 07932 FOR SDS INFORMATION: (973) 589-2500 24 HOUR EMERGENCY PHONE NUMBER CHEMTREC 1-800-424-9300

Mergal® 192

**Product Code:** 30207

Effective Date: May 2, 2014 January 20, 2011 Replaces:

#### 6. ACCIDENTAL RELEASE MEASURES

Keep unnecessary people away; isolate hazard area and deny entry. Stay upwind; keep out of low areas. Wear protective equipment as specified in Section 8. Positive pressure self-contained breathing apparatus and structural firefighters' protective clothing will provide limited protection. Shut off ignition sources; no flares, smoking, or flames in hazard area. Do not touch or walk through spilled material. Stop leak if you can do it without risk. For small spills, absorb with vermiculite or other noncombustible absorbent material and place into containers for later disposal. For large spills, dike far ahead of liquid spill for later disposal. If water pollution occurs, notify the appropriate authorities.

Observe all Federal, State, and Local regulations regarding notifications of accidental releases.

#### **HANDLING & STORAGE**

Avoid contact with skin, eyes, or clothing. Avoid breathing vapor or mist. Wash thoroughly after handling. Keep container tightly closed. Use only with adequate ventilation. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION. THEY EXPLODE AND CAUSE INJURY OR DEATH. Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner, or properly disposed of. Store away from incompatible substances in a cool, dry, ventilated area. Do not store at freezing temperatures or above 60°C (140°F) for extended periods. Avoid contact with brass, copper, or aluminum - will cause discoloration. Store in accordance with 29CFR1910.106. Substances with low electroconductivity, which may be ignited by electrostatic sparks, should be stored in containers which meet the bonding and grounding guidelines in NFPA77, Recommended Practice on Static Electricity. Do not contaminate water, food, or feed by storage or disposal.

Plastic drums are non-conductive and, appropriate safety measures must be taken to prevent possible ignition when filling or dispensing flammable or combustible liquids. Storage and dispensing operations must comply with appropriate regulations (such as NFPA).

Observe all Federal, State, and Local regulations when storing or disposing of this substance.

#### 8. PERSONAL PROTECTION/EXPOSURE CONTROLS

**EXPOSURE GUIDELINES** None established

**VENTILATION** Provide adequate ventilation or local exhaust to minimize exposure.

**EYE/FACE PROTECTION** If potential for contact with liquid exists, use splash-proof safety goggles and a faceshield.

SKIN PROTECTION Direct contact may cause slight skin irritation. Wear impervious gloves and apron to prevent skin contact.

RESPIRATORY PROTECTION Whenever workplace conditions warrant the use of a respirator, a respiratory protection program meeting OSHA

1910.134 must be followed utilizing a NIOSH/MSHA-approved respirator.

Evewash and safety shower should be available within the immediate work area for emergency use. OTHER

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE** White to pale yellow clear SPECIFIC GRAVITY AT 25°C. (Water=1) 0.96-0.99 WATER SOLUBILITY liquid 100% **ODOR** Amine odor **AUTOIGNITION TEMPERATURE** Not determined 10.7-11.7 **DECOMPOSITION TEMPERATURE** Not determined pН MELTING/FREEZING POINT Not determined VISCOSITY (Gardner) AT 25°C. A - A5 **INITIAL BOILING POINT** % VOLATILÈS BY WEIGHT 100% 101°C (214°F) FLASH POINT (ASTM D3278-96) VAPOR PRESSURE AT 20°C. 22.9 mm Hg (Setaflash Closed cup) 43°C (110°F) VAPOR DENSITY (Air=1)

EVAPORATION RATE (Butyl acetate=1) >1

FLAMMABLE LIMITS Not determined

#### 10. STABILITY & REACTIVITY

REACTIVITY Stable under normal temperatures and pressures.

CONDITIONS TO AVOID Avoid heat or sources of ignition.

INCOMPATIBILITY Avoid contact with strong acids, bases, and oxidizers.

HAZARDOUS DECOMPOSITION Decomposition may release carbon monoxide, carbon dioxide, ammonia, and formaldehyde.

HAZARDOUS POLYMERIZATION Hazardous polymerization does not occur.

#### 11. TOXICOLOGICAL INFORMATION

Toxicological data is included on the active ingredient. For additional information, contact Troy Corporation:

#### **ACUTE ORAL EFFECTS**

LD50 (oral, rat-female) - 1037 mg/kg.; LD50 (oral, rat-male) - 1308 mg/kg.

#### **ACUTE SKIN EFFECTS**

LD50 (dermal, rat) >2000 mg/kg. Slight irritation (rabbit).

This product is not considered to be a skin sensitizer according to results from the Buehler Sensitization Assay.

#### **ACUTE EYE EFFECTS**

Severe irritation and corrosive (rabbit). Corneal damage may be irreversible if not washed from eyes promptly.

#### **ACUTE INHALATION EFFECTS**

LC50 (rat,4 hr) - 1.1 mg/L.

#### SUBCHRONIC EFFECTS AND OTHER STUDIES

Subchronic dermal toxicity: In animal studies, no significant adverse effects were found.

Developmental toxicity: In animal studies, developmental toxicity was not demonstrated in any of the test results.

Ecotoxicological data is included on the active ingredient. For additional information, contact Troy Corporation:

Mutagenicity: 4,4-dimethyloxazolidine was negative in most mutagenicity tests.

For additional information on active ingredients, contact Troy Corporation.

#### 12. ECOLOGICAL INFORMATION

**ECOTOXICITY** 

The active ingredient 4,4-dimethyloxazolidine is toxic to fish and wildlife. Data is as follows:

LC50 (rainbow trout, 96 hr flow-through) - 95 mg/L. LC50 (bluegill sunfish, 96 hr flow-through) - 59 mg/L. (based on 77.2% active)

EC50 (daphnia magna, 48 hr) - 45 mg/L. (based on 77% active)

LC50 (sheepshead minnow, 96 hr flow-through) - 218 mg/L. (based on 82% active)

LC50 (pink shrimp, 96 hr flow-through) - 230 mg/L. (based on 77% active)

LC50 (eastern oyster, 96 hr flow-through) - 9.2 mg/L. (based on 82.5% active)

SAFETY DATA SHEET (SDS)						
TROY CORPO	RATION				Mergal® 192	
8 Vreeland Ro	ad	FOR SE	S INFORMATION: (973) 589-	2500	Product Code:	30207
Florham Park,	NJ 07932	24 HOUR EMERGENCY PHONE NUMBER			Effective Date: May 2, 20	14
1			CHEMTREC 1-800-424-9300		Replaces: January 2	
ENVIRONMENT.	ΔΙ ΕΔΤΕ					-,
		hyloxazolidine rapidly de	egrades in water			
		ion coefficient: LogP <sub>ow</sub> -				
	INFORMATION	O OW				
RCRA HAZARD	OUS WASTE	This product is a RCRA of ignitability.	hazardous waste based on its	flash point (<60°C) the	nerefore meeting the cha	racteristic
WASTE DISPOS	SAL PROCEDURE	The user of this materia	al has the responsibility to dispo deral, State, and Local Regulation		II, residues, and containe	rs in
14 TRANSPO	RTATION INFORM		ierai, State, and Local Negulatii	JIIO		
DOT	SHIPPING NAME		mmable liquids, n.o.s. (contains	: 4 4-dimethyloxazoli	dine) 3 PG III FRG# 12	8
	LABELS REQUIRE			. 1, 1 dillioti 1 1 1 0 x 4 2 0 ii	umo), o, r o m, Erron 12	.0
IATA	SHIPPING NAME		mmable liquids, n.o.s. (contains	s: 4,4-dimethyloxazoli	dine), 3, PG III, ERG# 3L	
	LABELS REQUIRE				,, ,	
IMDG	SHIPPING NAME	UN1993, Fla	mmable liquids, n.o.s. (contains	s: 4,4-dimethyloxazoli	dine), 3, PG III, FP 43°C	(110°F),
		EMS# F-E, <u>S</u>	<u>S-E</u>			
	LABELS REQUIRE		quid			
	ORY INFORMATIO					
	ON 103 (40CFR302					
			ble to the National Response C	enter under the Com	prenensive Environmenta	Al .
	ensation, and Liabi	), SARA SECTION 304	(AOCED255 AO)			
			ergency planning based on Thr	ochold Planning Oua	ntitios (TPO) or rologgo	
	on Reportable Quan		ergency planning based on Thi	esholu Flahining Qual	nulles (TPQ) of Telease	
		RA SECTIONS 311/312	(40CEP370 24)			
SANA HAZAND	ACUTE	CHRONIC	FIRE	REACTIVE	PRESSURE	
	X	1 Ornicolvio	l X	KLAOTIVL	TREGOORE	
SARA SECTION	313 (40CFR372.65	5)				
This product doe	s not contain any ch	emicals subject to the re	eporting requirements of the En	nergency Planning an	d Community Right-to-Kr	now Act of 1986.
CHEMICAL INVI						
			Substance Inventories, are exen	pt from the Inventories	s, or are otherwise complia	ant with inventory
requirements of the governing agency.						
TSCA	EINECS	DSL	AICS	ECL	MITI,ENCS	PICCS
X	X	X	X	X	X	X
U.S.	Europe	Canada	Australia	Korea	Japan	Philippines
IECSC	NZIoC	NECL				
X	X	NECI X	1			
China	New Zealar					
CALIFORNIA PROPOSITION 65						
This product does not contain any substances that are currently on the list of Known Carcinogens and Reproductive Toxins, at levels which would require						
a warning under the statute.						
STATE RIGHT-TO-KNOW						
This product is regulated by the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and is exempt from State Right-to-Know labeling						
requirements when labeled with an approved EPA label.						
	<b>EPA Registration N</b>	o. 5383-82				
16. OTHER						
REVISIONS Prepared by: Environmental and Regulatory Affairs Dept.						
This SDS has been revised in the following sections: (revisions indicated in left border)						
Address, Product Code, Sect. 3 (Composition), Sect. 15 (Chemical Inventories)						
ABBREVIATION		mudaa aleeelii e	21122	Dantia de la constant		
	rticulates not othe			Particulates not other	_	
	ort-term exposure	nmt	TLV - Threshold limit value		Time-weighted average	
HMIS RATING HEALTH	FLAMMABILITY	REACTIVITY	PERSONAL PROTECTION	NFPA RATING HEALTH	FLAMMABILITY	REACTIVITY
HEALIN	I LAIVIIVIADILII I	INLACTIVITY	LINGUNAL FROTEUTION	PIEALIN	I FUNINADILI I	NEACHVILL

The information contained in this SDS is believed to be accurate and reliable as of issue date, but no representation, guarantee, or warranty, express or implied is made to the accuracy, reliability, or completeness of the information. It is provided for the purpose of complying with hazard communication regulations. It is not intended as performance information or specifications for the product. It is the user's responsibility to determine the suitability of the product for his own use. Troy does not assume legal responsibility for reliance on information herein. Grotan® Mergal® Polyphase® Powdermate® Troykyd® Troysan® Troyshield® Troythix® TroyCare™ Troychem™ TroyGuard™ Troymax™ Troysol™ Troysperse™ are trademarks of Troy.

LAST PAGE



#### **SAFETY DATA SHEET: REGULAR MINERAL SPIRITS**

#### IN CASE OF TRANSPORTATION EMERGENCY CONTACT:

CHEMTREC:(800) 424-9300

ALL OTHER INQUIRIES: (770) 904-7042 // www.ciscochem.com

266 Rue Cezzan Lavonia, GA 30553





#### 1. IDENTIFICATION

CAS # 8052-41-3

SYNONYMS:

Naphtha, stoddard solvent, mineral spirits, white spirit

GENERIC CHEMICAL NAME:

Naphtha, high paraffinic, stoddard solvent, naphtha solvent

PRODUCT TYPE:

Substance

#### 2. HAZARDS IDENTIFICATION

APPEARANCE: **COLORLESS LIQUID** 

ODOR: PETROLEUM SOLVENT

SIGNAL WORD: WARNING!

FLAMMABLE LIQUID AND VAPOR

STATIC ACCUMULATING LIQUID CAN BECOME ELECTROSTATIC ALLY IN BONDED AND GROUNDED EQUIPMENT; SPARKS MAY IGNITE LIQUID

AND VAPOR MAY CAUSE FLASH FIRE

HARMFUL IF SWALLOWED, CAN ENTER LUNGS AND CAUSE DAMAGE

MAY CAUSE CHRONIC EFFECTS MAY CAUSE SKIN IRRITATION MAY CAUSE EYE IRRITATION

MAY CAUSE RESPIRATORY TRACT IRRITATION PROLONGED SKIN CONTACT MAY CAUSE IRRITATION

**EXPOSURE ROUTES:** INHALATION, INGESTION, SKIN AND/OR EYE CONTACT

PHYSICAL: KEEP AWAY FROM HEAT, SPARKS AND FLAME. KEEP CONTAINER

> TIGHTLY CLOSED. USE ONLY WITH ADEQUATE VENTILATION. AVOID SPARK PROMOTERS. GROUND/BOND CONTAINER AND EQUIPMENT. THESE ALONE MAY BE INSUFFICIENT TO REMOVE

STATIC ELECTRICITY

AVOID CONTACT WITH EYES. WASH THOROUGHLY AFTER HANDLING EYES:

Page: 1

**SDS: REGULAR MINERAL** 

**SPIRITS** 



SKIN: AVOID CONTACT WITH SKIN AND CLOTHING. WASH THOROUGHLY

AFTER HANDLING

SYMPTOMS OF

OVER EXPOSURE: IRRITATION TO EYES, NOSE, THROAT; DIZZINESS; DERMATITIS;

CHEMICAL PNEOMONITIS (aspiration liquid)

MEDICAL CONDITIONS AGGRAVATED BY

EXPOSURE: PRE-EXISTING DISORDERS INVOLVING ANY TARGET ORGANS

MENTIONED IN THIS MSDS ARE BEING AT RISK MAY BE AGGRAVATED

BY OVER EXPOSURE TO THIS PRODUCT.

#### **CHRONIC EFFECTS:**

#### 3. COMPOSITION

CAS # COMPONENT PERCENT

8052-41-3 STODDARD SOLVENT 100

GOLDONIENIE

#### HAZARDOUS CONSTITUENT(S) CONTAINED IN COMPLEX SUBSTANCES

CAS#	COMPONENT	PERCENT
100-41-4	ETHYL BENZENE	0.1
111-84-2	NONANE	1.0-8.0
25551-13-7	TRIMETHYL BENZENE	0.5-5.0
	(mixed isomers)	

#### Component Regulatory Information

This product may be regulated, have exposure limits or other information identified as the following: Stoddard solvent, Ethyl Benzene, Nonane, Trimethyl Benzene (See Section 8)

#### 4. FIRST AID MEASURES

#### **EYES**

Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.

#### SKIN

In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention immediately.

#### INHALATION:

Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.

#### INGESTION:

DO NOT INDUCE VOMITING. If conscious, rinse out mouth with water. Get medical attention immediately.

#### NOTE TO PHYSICIANS

No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.



#### 5. FIRE FIGHTING MEASURES

#### Flammable Properties

This product is a flammable static accumulating liquid. Static accumulating liquid can become electrostatically charged even in bonded and grounded equipment. Sparks may ignite liquid and vapor may cause flash fire. Static electricity accumulation may be significantly increased by the presence of small quantities of water or other contaminates. Restrict flow velocity to avoid build-up of static charge. Refer to NFPA 77, API 2003, and CENELEC CLC/TR 50404 for further guidance.

#### Extinguishing Media

Use dry chemical, CO2, water spray (FOG) or foam

#### Specific Hazards Arising from Chemical

Elevated temperatures can lead to the formation of irritating fumes and vapors. Decomposition products may include the following materials: Carbon dioxide and Carbon monoxide.

#### Protective Equipment and Precautions for Firefighters

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

#### 6. ACCIDENTAL RELEASE MEASURES

#### Personal Precautions

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

#### **Environmental Precautions**

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution.

#### Methods for Containment

Stop leak if without risk.

#### Methods for Cleanup

Move containers from spill area. Approach release from upwind. Absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

#### 7. HANDLING AND STORAGE

#### Handling Procedures

Eating, drinking, and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. Use only with adequate ventilation. Use non-sparking tools.

#### Shipping and Storing Procedures

Store in accordance with local regulations. Store in a segregated and approved area. Keep in the original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials. Do not store in unlabeled containers. Store and use away from heat, sparks, open flame or any other ignition source. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Empty containers that retain product residue may be hazardous. Do not reuse container.

#### 8. EXPOSURE CONTROLS AND PERSONAL PROECTION

Component Exposure Limits

Stoddard Solvent

ACGIH TLV: TWA: 100ppm

OSHA PEL: TWA: 500 ppm TWA: 2900 mg/m3

SDS: REGULAR MINERAL SPIRITS



NIOSH REL: TWA: N/A ppm TWA: 350 mg/m3

NIOSH Ceiling: 1800 mg/m3 [15 minute]

Ethyl Benzene

ACGIH TLV: TWA: 20 ppm TWA: N/A mg/m3

OSHA PEL: TWA: 100 ppm TWA: 435 mg/m3

Nonane

ACGIH TLV: TWA: 200 ppm

Trimethyl Benzene (all isomers)

ACGIH TLV: TWA: 25 ppm

N/A signifies not available.

#### **ENGINEERING CONTROLS**

This product is a static accumulating liquid. Ground/bond container and equipment. These alone may be insufficient to remove static electricity. Material should be handled in enclosed vessels and equipment. Use only in adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

#### EYE/FACE PROTECTION

Chemical goggles or face shield

#### SKIN PROTECTION

Chemical resistant, impervious gloves complying with an approved standard should be worn at all times. Coveralls, apron, and boots as necessary to minimize contact.

#### RESPIRATORY PROTECTION

Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicated this is necessary. Respirator selection must be based on known or anticipated exposure levels.

#### GENERAL HYGIENE

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

Note: Physical and chemical properties are provided for safety, health and environmental considerations only and may not fully represent product specifications. Please see the Product Specification Sheet for further information.

Appearance: Colorless

Odor: Petroleum solvent

Physical State: Liquid

Flash Point (f): 105

Boiling Point (f): >310

Vapor Pressure

(mm Hg at  $20^{\circ}$ C): 0.62

Water Soluble: NO

SDS: REGULAR MINERAL SPIRITS



Specific Gravity (g/cc): .77

Density (lbs/gal) 6.4

PH: Not available

#### 10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions. If heated, product's static accumulation will

rise and could cause flash fire.

Polymerization: No polymerization

Incompatibility: Strong acids and oxidizing materials

Conditions to Avoid: High temperatures, sparks, flames

Hazardous Decomposition

Products: Does not decompose at ambient temperatures

#### 11. TOXICOLOGICAL INFORMATION

Acute Exposure

Minimally toxic. Negligible hazards at ambient/normal handling temperatures.

Respiratory Irritation

If material is misted or if vapors are generated from heating, exposure may cause irritation of mucous membranes and the upper respiratory tract. Based on data from components or similar materials.

Eye Irritation

May cause eye irritation. Vapors formed from heating may cause eye irritation.

Skin Irritation

May cause skin irritation

Sensitization

Not expected to cause skin or respiratory sensitization.

Component Analysis – LD50 / LC50

Acute Toxicity Estimate (ATE) Values for Product:

Inhalation LC50 Rat 21 mg/L 1 HR

Oral LD50 Rat >7000 mg/kg

Dermal LD50 Rabbit >2000 mg/kg

Chronic Exposure

Target Organ Effects

Vapor/aerosol concentrations above recommended exposure levels are irritating to the eyes and respiratory tract, may cause headaches, dizziness, anesthesia, drowsiness, unconsciousness and other central nervous system effects including death. Prolonged or repeated direct exposure to the skin results in symptoms of irritation and redness, dermatitis or oil acne.



Small amounts of liquid aspirated into the lungs during ingestion or from vomiting may cause chemical pneumonitis or pulmonary edema.

#### Carcinogenicity

Contains Ethyl Benzene which is considered a carcinogen under IARC. It has caused cancer in laboratory animal studies. The relevance of these findings to humans is uncertain.

#### Mutagenicity

No data available to indicate product or any components present at greater than .1% are mutagenic or genotoxic.

#### Reproductive Toxicity

No data available to indicate either product or components present at greater than .1% that may cause reproductive toxicity.

#### Teratogenicity

No data available to indicate product or any components contained at greater than .1% may cause birth defects.

#### 12. ECOLOGICAL INFORMATION

Component Analysis- Ecotoxicity - Aquatic Life

Duration/T est/Species

96 Hr LC50

Concentrations/Conditions N/A mg/L

Pimephals promelas

Degradability Not determined

Bioaccumulation Not determined

Soil Mobility Not determined

#### 13. DISPOSAL CONSIDERATIONS

#### Disposal Instructions

The generation of waste should be avoided or minimized wherever possible. Treatment, storage, transportation and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations.

#### 14. TRANSPORT INFORMATION

EMERGENCY RESPONSE GUIDE NUMBER: 128

U.S. DOT BULK (OVER 119 GALLONS)

UN 1268, PETROLEUM DISTILLATES, N.O.S. (Naphtha solvent), 3, PG III, combustible liquid

Bulk container must be labeled on two opposing sides

U.S. DOT Non-bulk (under 119 gallons)

Not regulated.....Exempt from labeling and placarding unless shipped via Air or Vessel

\*Truck/Rail car must be placarded on all 4 sides if aggregate gross weight exceeds 1,000 pounds

#### 15. REGULATORY INFORMATION

SARA Extremely Hazardous





#### Substances (Sections 302 & 304)

This product does not contain greater than 1% of any "extremely hazardous substances" listed pursuant to Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) Section 302 or Section 304 as identified in 40 CFR Part 355, Appendix A and B.

#### SARA Section 313

This product contains the following components in concentrations greater than 0.1% for carcinogenic substances and/or 1.0% of the substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

Ethyl Benzene (CASRN: 100-41-4): 0.1%

1,2,4 Trimethylbenzene (CASRN: 95-63-6): 2.7%

## SARA Section 311 & 312 Classifications Acute Hazard: Chronic Hazard: Fire Hazard: Reactivity Hazard: NO NO

#### **CERCLA**

This product contains the following components listed under the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA) in 40 CFR Part 302, Table 302.4:

Ethyl Benzene (CASRN: 100-41-4): 0.1% RQ=1,000 lbs.

#### CALIFORNIA PROP 65

This product contains chemical(s) known to the state of California to cause cancer and/or birth defects.

#### Clean Water Act / Oil Pollution Act

This product may be subject to regulation by Section 311 of the Clean Water Act and the Oil Pollution Act. Releases of the product into or leading to surface waters must be reported to the National Response Center at 1-800-424-8802.

#### PA RIGHT TO KNOW ACT

This product contains the following components listed under the Pennsylvania Right To Know Act:

Stoddard Solvent (CASRN: 8052-41-3)

N-Decane (CASRN: 124-18-5) N-Nonane (CASRN: 111-84-2)

1,2,4 Trimethylbenzene (CASRN: 95-63-6)

Ethyl Benzene (CASRN: 100-41-4)

#### Global Chemical Inventories

DUTENITORY

INVENTORY	COMPONENT
	ALL COMPONENTS
US TSCA	Present*
EU	Present
JAPAN	Not available
AUSTRALIA	Present
NEW ZEALAND	Present
CANADA	Present
SWITZERLAND	Not Available
KOREA	Present
PHILIPPINES	Present
CHINA	Present
TAIWAN	Present

<sup>\*</sup>May be subject to TSCA 12b export notification. Contains Nonane (CASRN: 111-84-2) at 7.85%.



#### 16. OTHER INFORMATION

**US NFPA Ratings** 

HEALTH FIRE INSTABILITY
1 2 0

HIMIS RATINGS

HEALTH FIRE PHYSICAL HAZARDS

<sup>4</sup> 2

Precautionary Labels

Signal Word

WARNING!

Flammable liquid and vapor

Static accumulating liquid can become electrostatically charged even in bonded and grounded equipment; Sparks may ignite liquid and vapor may cause flash fire

Harmful if swallowed, can enter lungs and cause damage

May cause chronic effects

May cause skin irritation

May cause eye irritation

May cause respiratory tract irritation

Prolonged skin contact may cause irritation

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

Date Created: 4/7/2015 Date Updated: 4/7/2015





#### State of New Jersey

CHRIS CHRISTIE

Governor

KIM GUADAGNO Lt. Governor DEPARTMENT OF ENVIRONMENTAL PROTECTION AIR QUALITY, ENERGY AND SUSTAINABILITY

Division of Air Quality
Bureau of Stationary Sources
401 E. State Street, 2<sup>nd</sup> floor, P.O. Box 420, Mail Code 401-02
Trenton, NJ 08625-0420

BOB MARTIN Commissioner

## Air Pollution Control Preconstruction Permit and Certificate to Operate Revision

Permit Activity Number: PCP170004 Program Interest No: 05459

Mailing Address	Plant Location
DENNIS HUACON	TROY CHEMICAL CORP
MGR TROY CHEMICAL CORP 1 AVE L Newark, NJ 07105	1 Avenue L Newark, Essex County, New Jersey

Approval Date: 09/05/2017 Expiration Date: 11/15/2020

The New Jersey Department of Environmental Protection (Department) has reviewed the above referenced air pollution control permit application. On the basis of the information provided, the Department concludes that the application satisfies all applicable requirements of the New Jersey Air Pollution Control regulations codified at N.J.A.C. 7:27 et seq. This Air Pollution Control Permit modification shall supersede any existing Air Pollution Control Permits issued for the specified source. This permit allows for inspection and evaluation of the equipment by the Department to assure conformance with all provisions of N.J.A.C. 7:27 et seq. and any other applicable federal requirements codified at 40 CFR 52, 60, 61 and 63.

This approval changes certain portions of the previously approved preconstruction permit, and this action does not change the current expiration date of the permit. This approval results in a permit that has replaced the one previously issued, Activity Number PCP 16-0001

The equipment, that is authorized to be installed and operated under this approval, is described in Section A, Source Operations and Section D, Equipment Inventory. Equipment at the facility referenced by this Permit shall be operated in accordance with the Conditions of Approval set forth in Section D, Facility Specific Requirements.

The Department hereby issues this permit and certificate under the authority of chapter 106, P.L. 1967(N.J.S.A 26:2C-9.2). You may construct, reconstruct, install, or modify the above referenced equipment and/or control apparatus consistent with the approval.

The approved Permit is available for download in PDF format which contains the facility's specific requirements (compliance plan) at: http://www.nj.gov/dep/aqpp. After accessing the web site, click on "Approved PCP Permits" listed under "Reports" and then type in your Program Interest (PI) Number, 05459, as instructed on the screen. You will be able to view, print or electronically store your permit. If you have any questions regarding this permit approval, please contact the Department at the Preconstruction Permit Help Line available from 9:00 AM to 4:00 PM daily, where you may speak to someone about any technical questions you may have. The Preconstruction Permit Technical Help Line number is 609-292-6716.

If, in your judgment as an applicant for an air pollution control permit, the Department is imposing any unreasonable Condition of Approval, you may contest the Department's decision and request a contested case hearing pursuant to the Administrative Code at N.J.A.C. 7:27-1.32(a). All requests for contested case hearings must be received in writing by the Department within twenty (20) calendar days of the date you receive this permit approval and must contain the information specified in the Administrative Hearing Request Checklist and Tracking Form.

If you have any non technical questions please use the Bureau's number 609- 292-0834. If you have any questions when filing a General Permit please use the General Permit Help number 609-633-2829.

Approved by:

Michael Adhanom Preconstruction Permits

Michael an

### **Administrative Hearing Request Checklist and Tracking Form**

#### I. Document Being Appealed

Name of the Facility	Facility ID	Permit Activity	Issuance
	Number	Number	Date
TROY CHEMICAL CORP	05459	PCP170004	

#### II. Contact Information

Name of Person Requesting Hearing	Name of Attorney (if applicable)
Address:	Address:
Telephone:	Telephone:

#### III. Please include the following information as part of your request:

- A. The date the permittee received the permit decision;
- B. Two printed copies of the document being appealed for submitting to address 1 below:

A PDF copy of the document being appealed on a CD – for submitting to address 2 below

- C. The legal and factual questions you are appealing;
- D. A statement as to whether or not you raised each legal and factual issues during the permit application process:
- E. Suggested revised or alternative permit conditions:
- F. An estimate of the time required for the hearing;
- G. A request, if necessary, for a barrier-free hearing location for physically disabled persons;
- A clear indication of any willingness to negotiate a settlement with the
   Department prior to the Departments processing of your hearing request to the
   Office of Administrative Law;

Mail this form, completed, signed and dated with all of the information listed above, including attachment, to:

 New Jersey Department of Environmental Protection Office of Legal Affairs Attention: Adjudicatory Hearing Requests 401 E. State Street, P.O. Box 402 Trenton, New Jersey 08625

Mail Code: 401-02
 New Jersey Department of Environmental Protection
 Air Quality Program
 P.O. Box 420
 Trenton, New Jersey 08625-0420
 Phone: (609) 633-2829

Signature	Date

### **Administrative Hearing Request Checklist and Tracking Form**

- IV. If you are not the applicant but rather an interested person claiming to be aggrieved by the permit decision, please include the following information:
  - 1. The date you or your agent received notice of the permit decision (include a copy of that permit decision with your hearing request);
  - 2. Evidence that a copy of the request has been delivered to the applicant for the permit which is the subject of the permit decision;
  - 3. A detailed statement of which findings of fact and/or conclusion of law you are challenging;
  - 4. A description of your participation in any public hearings held in connection with the permit application and copies of any written comments you submitted;
  - 5. Whether you claim a statutory or constitutional right to a hearing, and, if you claim such a right, a reference to the applicable statute or explanation of how your property interests are affected by the permit decision;
  - 6. If the appeal request concerns a CAFRA permit decision, evidence that a copy of the request has been delivered to the clerks of the county and the municipality in which the project which is the subject of the permit decision is located;
  - 7. Suggested revised or alternative permit conditions;
  - 8. An estimate of the time required for the hearing;
  - 9. A request, if necessary, for a barrier-free hearing location for physically disable persons;
  - A clear indication of any willingness to negotiate a settlement with the
    Department prior to the Department's transmittal of the hearing request to the
    Office of Administrative Law;

Mail this form, completed, signed and dated with all of the information listed above, including attachment, to:

New Jersey Department of Environmental Protection Office of Legal Affairs Attention: Adjudicatory Hearing Requests 401 East State Street, P.O. Box 402 Trenton, New Jersey 08625-0402

Mail Code: 401-02 New Jersey Department of Environmental Protection Air Quality Program P.O. Box 420 Trenton, New Jersey 08625-0420 Phone: (609) 633-2829

Phone: (609) 633-2829	
Signature	Date

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PERMIT INFORMATION

#### Section A

Facility Name: TROY CHEMICAL CORP Facility ID No.: 05459 Permit Activity No.: PCP170004

#### **AUTHORIZED SOURCE OPERATIONS**

This Preconstruction Permit and the Certificate to Operate for the following equipment is issued pursuant to N.J.A.C. 7:27-8.

### **Description of Source Activity**

**Source Operation Type**: Chemical Process

Source Operation Description: Chemical Process including Reactor/receiver, fractionators and

process/storage tanks used to manufacture specialty chemicals. Methanol is recovered from the process using fractionators. Methanol emissions are controlled with a packed tower scrubber and are below the reporting threshold. Reportable VOC PTE <=

0.1 tpy and TSP/PM-10 PTE <= 1.06 tpy.

**Source Operation Details**: The sources authorized by this permit shall be operated within

the parameters specified in the Equipment, Control Device, and/or Emission Unit/Batch Process Operating Scenario Details of this permit. Operation of the authorized sources within these parameters is required <u>in addition</u> to compliance with the conditions specified in Section D— Facility Specific

Requirements.

#### Section B

Facility Name: TROY CHEMICAL CORP Facility ID No.: 05459 Permit Activity No.: PCP170004

#### **ACRONYMS**

CEMS Continuous Emissions Monitor System

CFR Code of Federal Regulations

CO Carbon Monoxide

COMS Continuous Opacity Monitor System

EPA United States Environmental Protection Agency

EMS Emission Measurement Section - NJDEP

HAP Hazardous Air Pollutant

N.J.A.C. New Jersey Administrative Code

NJDEP New Jersey Department of Environmental Protection

NOx Oxides of Nitrogen

PM-2.5 All particulate matter having an aerodynamic diameter less than or equal

to a nominal 2.5 microns

PM-10 All particulate matter having an aerodynamic diameter less than or equal

to a nominal 10 microns

PST Performance Specification Test

REO Regional Enforcement Office - NJDEP

SO<sub>2</sub> Sulfur Dioxide

TSP Total Suspended Particulate Matter

VOC Volatile Organic Compounds

#### **Section C**

Facility Name: TROY CHEMICAL CORP Facility ID No.: 05459 Permit Activity No.: PCP170004

# GENERAL PROVISIONS AND AUTHORITIES Preconstruction Permits

- 1. Not withstanding compliance with other provisions of N.J.A.C. 7:27-1 et seq., no person shall cause, suffer, allow or permit to be emitted into the outdoor atmosphere substances in quantities which shall result in air pollution as defined at N.J.A.C. 7:27-5.1. [N.J.A.C. 7:27-5.2(a)]
- 2. The permittee shall not construct, reconstruct, install, or modify a significant source or control apparatus serving the significant source without first obtaining a preconstruction permit under N.J.A.C. 7:27-8. [N.J.A.C. 7:27-8.3(a)]
- 3. The permittee shall not operate (nor cause to be operated) a significant source or control apparatus serving the significant source without a valid operating certificate. [N.J.A.C. 7:27-8.3(b)]

#### 4. Permit Revisions:

The permittee shall not take any action which requires a permit revision, compliance plan change, seven-day-notice change, amendment, or change to a batch plant permit, under any applicable provision at N.J.A.C. 7:27-8.17 through 8.23, without complying with that applicable provision.

The following summarize N.J.A.C. 7:27-8.18 through 8.21:

- a. The permittee shall file a permit revision request and receive approval from the Department prior to increasing any maximum allowable emission limit, increasing actual emissions, to a rate or concentration greater than a maximum allowable emission, causing the emissions of a new air contaminant, use a new raw material, reconstructing equipment, change the ground level concentration of an air contaminant in an area where the public has access, replace the permitted source, or constructing or installing a new significant source. [N.J.A.C. 7:27-8.18]
- b. The permittee shall file a compliance plan change request and receive approval from the Department prior to decreasing the frequency of testing, monitoring, recordkeeping, or reporting, changing the monitoring method, changing a level, rate, or limit of an operational parameter included in the conditions, or reducing a source's potential to emit. [N.J.A.C. 7:27-8.19]
- c. At least seven days prior to proceeding with a physical or operational change that is outside the scope of activities allowed by this permit, but will not increase emissions over the allowable emissions and will not alter the stack

- characteristics, the permittee shall file a seven-day-notice change. The permittee may proceed with the proposed changes seven days after such notice is filed with the Department. [N.J.A.C. 7:27-8.20]
- d. The permittee shall file an amendment within 120 days of making any change of the information which allows the Department to identify and contact the permittee, changing the name, number or designation of any equipment or stack covered by this permit, changing the parameters of a stack in such a way to reduce the ground level concentration of an air contaminant, or correction of a typographical error that will not result in an increase of actual or allowable emissions. [N.J.A.C. 7:27-8.21]

The permittee shall review the provisions of N.J.A.C. 7:27-8.18 through 7:27-8.21 to determine the appropriate type of request to file.

- 5. The permittee shall make the preconstruction permit or certificate, together with any amendments, seven-day-notices, or other documents related to the permit and certificate, readily available for Department inspection on the operating premises. [N.J.A.C. 7:27-8.3(d)]
- 6. The permittee shall not use or cause to be used the equipment or control apparatus unless all components connected or attached to, or serving, the equipment or control apparatus, are functioning properly and are in compliance with the preconstruction permit and certificate and all conditions and provisions thereto. [N.J.A.C. 7:27-8.3(e)]
- 7. A preconstruction permit is not transferable either from the location authorized in the preconstruction permit to another location, or from any one piece of control apparatus or equipment to another piece of control apparatus or equipment. [N.J.A.C. 7:27-8.3(f)]
- 8. Once a permit or certificate is issued, the permittee is fully responsible for compliance with N.J.A.C. 7:27-8 and with the permit and certificate, including adequate design, construction, and operation of the source, even if employees, contractors, or others work on or operate the permitted source. If the Department issues any other requirement with the force of law, such as an order, which applies to the source, the permittee is also responsible for compliance with that requirement. [N.J.A.C. 7:27-8.3(g)]
- 9. Preconstruction permits and certificates do not any way relieve the permittee from the obligation to obtain necessary permits from other government agencies and to comply with all other applicable Federal, State, and local rules and regulations. [N.J.A.C. 7:27-8.3(h)]
- 10. The permittee shall not suffer, allow, or permit any air contaminant detectable by the sense of smell, to be present in the outdoor atmosphere in such quantity and duration which is, or tends to be, injurious to human health or welfare, animal or plant life or property, or would unreasonably interfere with the enjoyment of life or property. This shall not include an air contaminant which occurs only in areas over which the permittee has exclusive use or occupancy. In determining whether an odor unreasonably interferes with the enjoyment of life or property, the Department shall consider all of the relevant facts and circumstances, including, but not limited to, the character, severity, frequency, and duration of the odor, and the number of persons affected thereby. In considering these and other relevant facts and circumstances, no one factor shall be dispositive, but each shall be considered relevant in determining whether an odor interferes with the enjoyment of life or property, and, if so, whether such interference is unreasonable considering all of the circumstances. [N.J.A.C.7:27-8.3(j)]

- 11. The Department and its representatives have the right to enter and inspect any facility or property in accordance with N.J.A.C. 7:27-1.31. [N.J.A.C. 7:27-8.3(m)]
- 12. There shall be an affirmative defense to liability for penalties for a violation of a preconstruction permit or certificate occurring as a result of an equipment malfunction, an equipment start-up, an equipment shutdown, or during the performance of necessary maintenance. The affirmative defense shall be asserted and established as required pursuant to P.L. 1993. c.89 (adding N.J.S.A. 26:2C-19.1 through 2C-19.5) and any rules the Department promulgates thereunder, and shall meet all of the requirements thereof. There shall also be an affirmative defense to liabilities for penalties or other sanctions for noncompliance with any technology based emission limitation in this permit or certificate, if the noncompliance was due to an emergency as defined at N.J.A.C. 7:27-22.1, provided that the affirmative defense is asserted and established in compliance with 40 CFR 70.6(g) and meets all requirements thereof. [N.J.A.C. 7:27-8.3(n)]
- 13. The permittee shall not cause or use the equipment specified in a preconstruction permit in a manner that will result in the emission of any air contaminant not listed in the Facility Specific Requirements in this Preconstruction Permit at a rate equal to or higher than the applicable reporting threshold set forth at N.J.A.C. 7:27-8 Appendix I, Table A or B. [N.J.A.C. 7:27-8.4(k)1]
- 14. No air contaminant, or category of air contaminant, where accepted by the Department, shall be emitted other than those approved in the preconstruction permit. [N.J.A.C. 7:27-8.13(a)]
- 15. Any person to whom the Department has issued a preconstruction permit or certificate shall comply with all terms and conditions of any order related to the preconstruction permit or certificate. [N.J.A.C. 7:27-8.13(a)]
- 16. The permittee shall maintain all records required in the preconstruction permit for a period of five (5) calendar years from the calendar year within which the record was generated. [N.J.A.C. 7:27-8.13(a)]
- 17. The Department may change the conditions of approval of any approved certificate to operate at the time of renewal of a temporary operating certificate; at the time of approval or renewal of a five-year operating certificate; or at any time during the period a certificate is in effect, if the Department determines that such change is necessary to protect human health or welfare or the environment. [N.J.A.C. 7:27-8.13(b)]
- 18. Upon request of the Department, the permittee shall submit to the Department information relevant to the operation of equipment and control apparatus including all information specified at N.J.A.C. 7:27-8.13(c). [N.J.A.C. 7:27-8.13(c)]
- 19. If the conditions of a preconstruction permit or certificate to operate require the Department to incur any of the following charges, the permittee shall reimburse the Department for the full amount of these charges: (1) The charges billed by any phone company for the maintenance of a dedicated telephone line required by this permit or the certificate to operate for the electronic transmission of data; or (2) The charges billed by any laboratory for performing the analysis of audit samples collected pursuant to testing or monitoring required by this permit or the certificate to operate. [N.J.A.C. 7:27-8.13(g)]

- 20. Any exceedance of the operating requirements or emission concentrations specified in a preconstruction permit shall be reported within three (3) business days, by writing to the Regional Enforcement Office. [N.J.A.C. 7:27-8.13(h)]
- 21. The permittee shall, when requested by the Department, provide such testing facilities exclusive of instrumentation and sensing devices as may be necessary for the Department to determine the kind and amount of air contaminants emitted from the equipment or control apparatus. The testing facilities shall include the utilities, the structure to hold testing equipment and/or personnel, and any ports in stacks needed to carry out testing required by this permit. During testing by the Department, the equipment and control apparatus shall be operated under such conditions within their capacities as may be requested by the Department. The test facilities may be either permanent or temporary, at the discretion of the person responsible for their provision, and shall conform to all applicable laws, regulations, and rules concerning safe construction and safe practice. Testing facilities, which contain platforms and other means of personnel access, shall conform to OSHA standards. [N.J.A.C. 7:27-8.13(i)]
- 22. Upon request of the Department, the permittee shall submit to the Department any record relevant to any permit or certificate. Such records shall be submitted to the Department within thirty (30) days of the request by the Department or within a longer time period if approved in writing by the Department. [N.J.A.C. 7:27-8.15(a)]
- 23. The permittee shall submit any required report in a format and on a schedule approved by the Department. Such report shall be transmitted on paper, on computer disk, or electronically, at the discretion of the Department. [N.J.A.C. 7:27-8.15(b)]
- 24. Any report submitted to the Department, including but not limited to, a report submitted as an amendment of this permit or the certificate to operate pursuant to N.J.A.C. 7:27-8.3(c) shall include, as an integral part of the report, certifications complying with N.J.A.C. 7:27-1.39. [N.J.A.C. 7:27-8.15(c)]
- 25. Upon request of the Department, the permittee shall report on forms obtained from the Department the air contaminant actual emissions and information relevant thereto, of any air contaminant or category of air contaminant emitted by the equipment, control apparatus, or source operation. [N.J.A.C. 7:27-8.15(d)]
- Any emission limit values in a preconstruction permit shall be interpreted to be followed by inherent trailing zeros (0) in the decimal portion of the limit to three significant figures (e.g. a printed limit of "1 lb/hr" means a limit of "1.00 lb/hr").
- 27. This listing of requirements reflects the state rules and regulations that apply to a majority of sources. If a specific requirement in a rule or regulation that applies to a permittee is not included in this section or in the Facility Specific Requirements it does not relieve the permittee from the obligation to comply with that regulation.
- 28. Process monitors must be operated at all times when the associated process equipment is operating except during outage time allowed by Department guidelines/procedures or as outlined in Technical Manual 1005. The Permittee must keep a service log as required.
- 29. Each permittee shall meet all requirements of the approved source emissions testing and monitoring protocol during the term of the operating permit. Whenever the facility makes a replacement, modification, change or repair of a certified CEMS or COMS that may significantly affect the ability of the system to accurately measure or record data, the facility must recertify the CEMS or COMS in accordance with Section V.B. and

Appendix E of Technical Manual 1005. The facility is responsible for contacting the Emission Measurement Section to determine the need for recertification and/or to initiate the recertification process. The facility is responsible for any downtime associated with the replacement, modification, change or repair of the CEMS or COMS. [N.J.A.C. 7:27-8.13(d)]

30. The following Department offices may be referenced in a preconstruction permit. Please use the following addresses when submitting any correspondence to these offices:

Emission Measurement Section Central Regional Enforcement Office Mail Code: 09-01, P.O. Box 420 P. O. Box 407
Trenton, NJ 08625-0420 Trenton, NJ 08625-0407

Northern Regional Enforcement Office
7 Ridgedale Avenue
Cedar Knolls, NJ 07927
Southern Regional Enforcement Office
2 Riverside Drive – Suite 201
Camden, NJ 08102

- 31. In accordance with the Air Pollution Control Act at N.J.S.A. 26:2C-19(e), any operation of the equipment which may cause off-property effect, including odors, shall be immediately reported by calling the NJDEP Environmental Action Hotline at (877) 927-6337.
- 32. In accordance with N.J.A.C. 7:27-21, facilities are required to submit annual emission statements of their actual emissions if the Potential-to-emit for the entire facility exceeds the following thresholds (including all emissions from the facility, both permitted and unpermitted). Additional information about Emission Statement reports can be obtained by calling (609) 984-5483.

AIR CONTAMINANT	Threshold in Tons per Year
VOC (Volatile Organic Compounds	10
NOx (Oxides of Nitrogen)	25
CO (Carbon Monoxide)	100
SO <sub>2</sub> (Sulfur Dioxide)	100
TSP (Total Suspended Particulates)	100
$PM_{2.5}$ (Particulate Matter $\leq 2.5$ microns)	100
$PM_{10}$ (Particulate Matter $\leq 10$ microns)	100
NH <sub>3</sub> (Ammonia)	100
Lead	5

33. In accordance with N.J.A.C. 7:27-22, facilities are required to submit a Title V Operating Permit application, within one year, if the potential-to-emit for the entire facility exceeds any of the following thresholds (including all emissions from the facility, both permitted and unpermitted). Additional Information about Operating Permits can be obtained by calling the Operating Permit Hotline at (609) 633-8248.

AIR CONTAMINANT	Threshold in Tons per Year
VOC (Volatile Organic Compounds)	25
NOx (Oxides of Nitrogen)	25
CO (Carbon Monoxide)	100
SO <sub>2</sub> (Sulfur Dioxide)	100
TSP (Total Suspended Particulates)	100
$PM_{10}$ (Particulate Matter $\leq 10$ microns)	100
Lead	10
Any HAP (Hazardous Air Pollutant)	10
All HAPs Collectively	25
Any other Air Contaminant	100

#### **Section D**

Facility Name: TROY CHEMICAL CORP Facility ID No.: 05459 Permit Activity No.: PCP170004

#### PERMIT INFORMATION

FACILITY SPECIFIC REQUIREMENTS INDEX

FACILITY SPECIFIC REQUIREMENTS

REASON FOR APPLICATION

FACILITY PROFILE (GENERAL)

EQUIPMENT INVENTORY

CONTROL DEVICE INVENTORY

**EMISSION POINT INVENTORY** 

EMISSION UNIT/BATCH PROCESS INVENTORY

#### **Section D**

Facility Name: TROY CHEMICAL CORP Facility ID No.: 05459 Permit Activity No.: PCP170004

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## New Jersey Department of Environmental Protection Facility Specific Requirements

Date: 9/5/2017

**Emission Unit:** U2 Methanol Recovery System

CD3 SC-7154 Methanol Scrubber

**Subject Item:** 

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	The scrubber shall be operated at all times that materials are being processed. [N.J.A.C. 7:27- 8.13(h)]	None.	None.	None.
2	Flowrate of Scrubbing Medium at Scrubber Inlet >= 0.1 and Flowrate of Scrubbing Medium at Scrubber Inlet <= 5 gal/min. [N.J.A.C. 7:27- 8.13(a)]	Flowrate of Scrubbing Medium at Scrubber Inlet: Monitored by scrubber flow rate instrument each month during operation, based on an instantaneous determination. The permittee shall install, calibrate and maintain the monitor(s) in accordance with the manufacturer's specifications. The monitor(s) shall be ranged such that the allowable value is approximately mid-scale of the full range current/voltage output. [N.J.A.C. 7:27- 8.13(d)2ii]	Flowrate of Scrubbing Medium at Scrubber Inlet: Recordkeeping by manual logging of parameter each month during operation. [N.J.A.C. 7:27- 8.13(d)3]	None.
3	Pressure Drop Across the Scrubber >= 1 and Pressure Drop Across the Scrubber <= 7 inches w.c [N.J.A.C. 7:27- 8.13(a)]	Pressure Drop Across the Scrubber: Monitored by pressure drop Instrument each month during operation, based on an instantaneous determination. The permittee shall install, calibrate and maintain the monitor(s) in accordance with the manufacturer's specifications. The monitor(s) shall be ranged such that the allowable value is approximately mid-scale of the full range current/voltage output. [N.J.A.C. 7:27- 8.13(d)2ii]	Pressure Drop Across the Scrubber: Recordkeeping by manual logging of parameter each month during operation. [N.J.A.C. 7:27- 8.13(d)3]	None.
4	VOC Control Efficiency >= 99 %. [N.J.A.C. 7:27- 8.13(h)]	None.	VOC Control Efficiency: Recordkeeping by manual logging of parameter or storing data in a computer data system upon request of the Department. Manufacturer's information. [N.J.A.C. 7:27- 8.13(d)]	None.

## New Jersey Department of Environmental Protection Facility Specific Requirements

Date: 9/5/2017

**Emission Unit:** U2 Methanol Recovery System

**OS Summary** 

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	The equipment covered by this application is limited in operation to the material use rates, operating hours, and emission rates presented in the application. It is the responsibility of the applicant to demonstrate to representatives of the Department that these limitations are not being exceeded. [N.J.A.C. 7:27- 8.13(h)]	None.	None.	None.
2	TSP <= 1.06 tons/yr. [N.J.A.C. 7:27-8.13(h)]	None.	None.	None.
3	PM-10 (Total) <= 1.06 tons/yr. [N.J.A.C. 7:27- 8.13(h)]	None.	None.	None.
4	VOC (Total) <= 0.1 tons/yr. [N.J.A.C. 7:27-8.13(h)]	None.	None.	None.
5	Maximum No. of Billable Compliance Inspections <= 2 inspections over the life of the Operating Certificate. The permittee will be invoiced for a service fee per inspection pursuant to N.J.A.C. 7:27-8.6 after the periodic compliance inspection is conducted. [N.J.A.C. 7:27- 8.13(e)]	None.	None.	None.

## New Jersey Department of Environmental Protection Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
6	Utilize procedures for each operating scenario that ensures compliance with the	Other: The permittee shall establish and maintain an environmental management	Other: The operating instructions, batch sheets, batch records or SOPs for each	None.
	emission limits (pounds per batch and	system to ensure compliance with the	product or process shall include, at a	
	pounds per step) specified for each pollutant.	operating instructions, batch sheets, batch records or standard operating procedures for	minimum, the following information:	
	The permittee shall keep and maintain and	each product or process.[N.J.A.C. 7:27-	1. Product / date produced;	
	have readily available at the facility	8.13].	2. A list of equipment or sets used;	
	operating instructions, batch sheets, batch		3. A list of control devices or sets used and	
	records or standard operating procedures		their operational parameters; and	
	(SOPs) for the batch products or processes.		4. A list of all raw materials including HAPs	
			used.[N.J.A.C. 7:27- 8.13].	
	The permittee shall ensure that each batch			
	process is run in accordance with the			
	operating instructions, batch sheets, batch			
	records, SOPs and supporting			
	documentation. [N.J.A.C. 7:27-16.16]			

## New Jersey Department of Environmental Protection Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	No Visible Emissions, exclusive of condensed water vapor, except for no more than 3 minutes in any consecutive 30-minute period. [N.J.A.C. 7:27- 8.13(a)]	Monitored by visual determination each month during operation. Conduct visual opacity inspections during daylight hours to identify if the stack has visible emissions, other than condensed water vapor. Select an observation position enabling clear view of emission point(s), minimum 15 feet away without sunlight shining directly into the eyes. Observe for a minimum duration of 30 minutes. Clock observation with two stopwatches starting the 1st watch at the commencement of the 30-minute observation period and starting and stopping the 2nd watch every time visible emissions are first seen and when they cease, and record the observation. If visible emissions are observed for more than 3 minutes in the 30-consecutive minutes:  (1) Verify the equipment and/or control device causing visible emissions is operating according to manufacturer's specifications. If it is not operating properly, take corrective action immediately to eliminate the excess emissions. (2) If the opacity problem is not corrected within 24 hours, perform a check via a certified opacity reader, in accordance with N.J.A.C. 7:27B-2. Conduct such test each day until the opacity problem is successfully corrected. [N.J.A.C. 7:27-8.13(d)]	Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. Record and retain the following:  (1) Date and time of inspection;  (2) Emission Point number;  (3) Operational status of equipment:  (4) Observed results and conclusions:  (5) Description of corrective action taken if needed;  (6) Date and time opacity problem was solved, if applicable;  (7) N.J.A.C. 7:27B-2 results if conducted; and  ((8) Name of person(s) conducting inspection. [N.J.A.C. 7:27- 8.13(d)]	None.
8	Total Throughput <= 2,400 kg batch quantity of iodine. [N.J.A.C. 7:27- 8.13(h)]	None.	Recordkeeping by production records once per batch during operation. The quanity of raw material prills to the process will be recorded based on what is loaded to E-22 and E-30. [N.J.A.C. 7:27- 8.13(d)]	None.

## New Jersey Department of Environmental Protection Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
9	No person shall cause, suffer, allow, or permit the transfer of any applicable VOC into any receiving vessel having a maximum capacity of 2,000 gallons (7,570 liters) or greater unless such transfer is made through a submerged fill pipe. This subsection shall not apply to a transfer to a manufacturing process vessel installed before December 17, 1979 [N.J.A.C. 7:27-16.4(b)]	None.	None.	None.

## New Jersey Department of Environmental Protection Facility Specific Requirements

Date: 9/5/2017

**Emission Unit:** U2 Methanol Recovery System

OS1 T-203 fresh methanol tank normal operation

Re	ef.# Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Emissions for all contaminants are below the respective reporting thresholds, as stated in N.J.A.C. 7:27-8. Appendix I, Table A and B. [N.J.A.C. 7:27- 8.13(h)]	None.	None.	None.

## New Jersey Department of Environmental Protection Facility Specific Requirements

Date: 9/5/2017

**Emission Unit:** U2 Methanol Recovery System

OS2 T-206 recovered methanol tank normal operation

Ref	# Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Emissions for all contaminants are below the respective reporting thresholds, as stated in N.J.A.C. 7:27-8. Appendix I, Table A and B. [N.J.A.C. 7:27- 8.13(h)]	None.	None.	None.

## New Jersey Department of Environmental Protection Facility Specific Requirements

Date: 9/5/2017

**Emission Unit:** U2 Methanol Recovery System

OS3 R-7149 Part 2 Reactor Normal Operation

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	VOC (Total) <= 0.12 lb/hr. [N.J.A.C. 7:27-8.13(a)]	Other: Conduct an analysis of the source operation, which demonstrate that, under operating conditions that maximize the VOC emissions after any control, the VOC emission rate of the source operation is in compliance with N.J.A.C. 7:27-16.16(g)2ii].	Other: maintain process records sufficient to demonstrate whether the VOC emission rate of the source operation from actual operations does not exceed the VOC emission rate under operating conditions.[N.J.A.C. 7:27-16.16(g)1ii].	None.
2	The maximum emission rates of any other air contaminants not listed in the Facility Specific Requirements must be below the Reporting Threshold in N.J.A.C. 7:27-8, Appendix I [N.J.A.C. 7:27- 8.13(h)]	None.	None.	None.
3	Maximum batches <= 840 batches per year. [N.J.A.C. 7:27- 8.13(h)]	None.	Recordkeeping by production records once per batch during operation. [N.J.A.C. 7:27-8.13(d)]	None.

## New Jersey Department of Environmental Protection Facility Specific Requirements

Date: 9/5/2017

**Emission Unit:** U2 Methanol Recovery System

OS4 24" Fractionator normal operation

Re	ef.# Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Emissions for all contaminants are below the respective reporting thresholds, as stated in N.J.A.C. 7:27-8. Appendix I, Table A and B. [N.J.A.C. 7:27- 8.13(h)]	None.	None.	None.

## New Jersey Department of Environmental Protection Facility Specific Requirements

Date: 9/5/2017

**Emission Unit:** U2 Methanol Recovery System

OS5 36" Fractionator normal operation

Ref	# Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Emissions for all contaminants are below the respective reporting thresholds, as stated in N.J.A.C. 7:27-8. Appendix I, Table A and B. [N.J.A.C. 7:27- 8.13(h)]	None.	None.	None.

## New Jersey Department of Environmental Protection Facility Specific Requirements

Date: 9/5/2017

**Emission Unit:** U2 Methanol Recovery System

**OS6 T-7152B Slurry Tank Normal Operation** 

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	VOC (Total) <= 0.12 lb/hr. [N.J.A.C. 7:27-8.13(a)]	Other: Conduct an analysis of the source operation, which demonstrate that, under operating conditions that maximize the VOC emissions after any control, the VOC emission rate of the source operation is in compliance with N.J.A.C. 7:27-16.16(g)2ii].	Other: maintain process records sufficient to demonstrate whether the VOC emission rate of the source operation from actual operations does not exceed the VOC emission rate under operating conditions.[N.J.A.C. 7:27-16.16(g)1ii].	None.
2	The maximum emission rates of any other air contaminants not listed in the Facility Specific Requirements must be below the Reporting Threshold in N.J.A.C. 7:27-8, Appendix I [N.J.A.C. 7:27- 8.13(h)]	None.	None.	None.
3	Maximum batches <= 840 batches per year. [N.J.A.C. 7:27- 8.13(h)]	None.	Recordkeeping by production records once per batch during operation. [N.J.A.C. 7:27-8.13(d)]	None.

## New Jersey Department of Environmental Protection Facility Specific Requirements

Date: 9/5/2017

**Emission Unit:** U2 Methanol Recovery System

OS7 T-7115 mother liquor water rinse tank normal operation

Ref	# Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Emissions for all contaminants are below the respective reporting thresholds, as stated in N.J.A.C. 7:27-8. Appendix I, Table A and B. [N.J.A.C. 7:27- 8.13(h)]	None.	None.	None.

## New Jersey Department of Environmental Protection Facility Specific Requirements

Date: 9/5/2017

**Emission Unit:** U2 Methanol Recovery System

OS8 T-7119 mother liquor tank normal operation

Ref.	# Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Emissions for all contaminants are below the respective reporting thresholds, as stated in N.J.A.C. 7:27-8. Appendix I, Table A and B. [N.J.A.C. 7:27-8.13(h)]	None.	None.	None.

## New Jersey Department of Environmental Protection Facility Specific Requirements

Date: 9/5/2017

**Emission Unit:** U2 Methanol Recovery System

OS9 1500 gallon receiver normal operation

Ref.	# Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Emissions for all contaminants are below the respective reporting thresholds, as stated in N.J.A.C. 7:27-8. Appendix I, Table A and B. [N.J.A.C. 7:27-8.13(h)]	None.	None.	None.

## New Jersey Department of Environmental Protection Facility Specific Requirements

Date: 9/5/2017

**Emission Unit:** U2 Methanol Recovery System

**OS11 Iodine Feed Hopper** 

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	TSP <= 0.24 lb/hr. [N.J.A.C. 7:27- 8.13(h)]	None.	None.	None.
2	PM-10 (Total) <= 0.24 lb/hr. [N.J.A.C. 7:27- 8.h]	None.	None.	None.
3	All other emissions from the equipment covered by this permit are stated to be below the reporting thresholds as stated in N.J.A.C. 7:27-8, Appendix 1, Tables A & B. The permittee shall be able to demonstrate that all other emissions are maintained below reporting thresholds.  [N.J.A.C. 7:27- 8.13(h)]	None.	None.	None.

## New Jersey Department of Environmental Protection Facility Specific Requirements

Date: 9/5/2017

**Emission Unit:** U2 Methanol Recovery System

OS12 R7102 Reactor 1,500gal normal operation

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	TSP <= 0.11 lb/hr. [N.J.A.C. 7:27- 8.13(h)]	None.	None.	None.
2	PM-10 (Total) <= 0.11 lb/hr. [N.J.A.C. 7:27- 8.13(h)]	None.	None.	None.
3	VOC (Total) <= 0.07 lb/hr. [N.J.A.C. 7:27-8.13(a)]	Other: Conduct an analysis of the source operation, which demonstrate that, under operating conditions that maximize the VOC emissions after any control, the VOC emission rate of the source operation is in compliance with N.J.A.C. 7:27-16.16(g)2ii].	Other: maintain process records sufficient to demonstrate whether the VOC emission rate of the source operation from actual operations does not exceed the VOC emission rate under operating conditions.[N.J.A.C. 7:27-16.16(g)1ii].	None.
4	All other emissions from the equipment covered by this permit are stated to be below the reporting thresholds as stated in N.J.A.C. 7:27-8, Appendix 1, Tables A & B. The permittee shall be able to demonstrate that all other emissions are maintained below reporting thresholds.  [N.J.A.C. 7:27- 8.13(d)]	None.	None.	None.
5	Total throughput <= 455 Kg of iodine per batch. [N.J.A.C. 7:27- 8.13(h)]	None.	Recordkeeping by production records once per batch during operation. [N.J.A.C. 7:27-8.13(h)]	None.
6	Maximum batches <= 50 batches per year. [N.J.A.C. 7:27- 8.13(h)]	None.	Recordkeeping by production records once per batch during operation. [N.J.A.C. 7:27-8.13(d)]	None.

### **TROY CHEMICAL CORP (05459)** PCP170004

### **New Jersey Department of Environmental Protection Reason for Application**

### **Permit Being Modified**

**Number:** 160001 **Permit Class: PCP** 

**Description** 

Troy Chemical Corp is submitting this RADIUS application to remove two pieces of of Modifications: currently permitted equipment and add two new pieces of equipment. Please remove E22 and E25 from the current permit. The new pieces of equipment being added in this revision are listed in this application file along with their respective equipment details, potentials to emit, and operating scenarios.

> The anticipated costs accociated with this permit are \$2,527 for a permit revision plus \$590 for one additional piece of equipment for a grand total of \$3,117.

For all questions or comments please contact our consultant, Jeffrey Fedors at Baron Environmental Associates at 908-508-9000 or jeffrey.fedors@baronenv.com.

Date: 9/5/2017

### **New Jersey Department of Environmental Protection Facility Profile (General)**

**State Plane Coordinates:** 

**X-Coordinate: Y-Coordinate:** 

**Units:** 

Datum:

**Source Org.: Source Type:** 

Facility Name (AIMS): Troy Chemical Corp	Facility ID (AIMS): 05459
--	---------------------------

**Street** 1 AVE L

**County:** 

Address: NEWARK, NJ 07105

Mailing 1 AVE L Address: NEWARK, NJ 07105

Essex

**Industry:** Location **Primary SIC:** 2851

**Description: Secondary SIC:** 

**NAICS:** 325510

Date: 9/5/2017

### New Jersey Department of Environmental Protection Facility Profile (General)

**Contact Type: Air Permit Information Contact Organization:** Troy Chemical Corporation Org. Type: Corporation Name: Dennis Huacon NJ EIN: Title: ERA Manager **Phone:** (973) 589-3250 x Mailing 1 Ave L Address: Newark, NJ 07105 **Fax:** (973) 589-0490 x **Other:** ( ) - x Type: Email: huacond@troycorp.com \_\_\_\_\_\_ Contact Type: Environmental Officer **Organization:** Troy Chemical Corporation Org. Type: Private Name: Edward Capasso NJ EIN: Title: Director, Environmental & Regulatory Af **Phone:** (973) 589-2500 x Mailing One Avenue L Address: Newark, NJ 07105 **Fax:** (973) 589-0490 x **Other:** ( ) - x Type: Email: capassoe@troycorp.com **Contact Type: Fees/Billing Contact Organization:** Troy Chemical Corporation Org. Type: Corporation Name: Dennis Huacon NJ EIN: Title: ERA Manager **Phone:** (973) 589-3250 x Mailing 1 Ave L Address: Newark, NJ 07105 **Fax:** (973) 589-0490 x **Other:** ( ) - x

Email: huacond@troycorp.com

Type:

## TROY CHEMICAL CORP (05459) Date: 9/5/2017

PCP170004

Email: huacond@troycorp.com

## New Jersey Department of Environmental Protection Facility Profile (General)

<b>Contact Type: General Contact</b>		
Organization: Troy Corporation		Org. Type: Corporation
Name: Dennis Huacon		NJ EIN:
Title: ERA Manager		
<b>Phone:</b> (973) 589-2500 x	Mailing	One Avenue L
<b>Fax:</b> (973) 589-0490 x	Address:	Newark, NJ 07105
<b>Other:</b> ( ) - x		
Type:		
Email: huacond@troycorp.com		
Contact Type: On-Site Manager		
Organization: Troy Chemical Corporation		Org. Type: Private
Name: William Rudlof		NJ EIN:
Title: Director, Environmental & Regulatory Af		
<b>Phone:</b> (973) 589-2500 x	Mailing	One Avenue L
<b>Fax:</b> (973) 589-0490 x	Address:	Newark, NJ 07105
<b>Other:</b> ( ) - x		
Type:		
Email: capassoe@troycorp.com		
Contact Type: Responsible Official		
Organization: Troy Chemical Corporation		Org. Type: Corporation
Name: Dennis Huacon		NJ EIN:
Title: ERA Manager		
<b>Phone:</b> (973) 589-3250 x	Mailing	1 Ave L
<b>Fax:</b> (973) 589-0490 x	Address:	Newark, NJ 07105
<b>Other:</b> ( ) - x		
Type:		

## New Jersey Department of Environmental Protection Equipment Inventory

Equip. NJID	Facility's Designation	Equipment Description	Equipment Type	Certificate Number	Install Date	Grand- Fathered	Last Mod. (Since 1968)	Equip. Set ID
E20	T-203	T-203 Fresh Methanol Tank	Storage Vessel	PCP960023		No		
E21	T-206	T-206 Recovered Methanol Tank	Storage Vessel			No		
E23	24" Frac	24" Fractionator	Manufacturing and Materials Handling Equipment	PCP960037		No		
E24	36" Frac	36" Fractionator	Manufacturing and Materials Handling Equipment	PCP960015		No		
E26	T-7115	T-7115 Mother Liquor Water Rinse Tank	Manufacturing and Materials Handling Equipment			No		
E27	T-7119	T-7119 Mother Liquor Tank	Manufacturing and Materials Handling Equipment	PCP960021		No		
E28	T-7141D	1500 gallon Receiver	Manufacturing and Materials Handling Equipment			No		
E30	Iodine Load3	Satellite Iodine Feed Hopper	Manufacturing and Materials Handling Equipment		8/1/2012			
E31	R7102	7102 Reactor - 1,500 gallons	Manufacturing and Materials Handling Equipment					

## New Jersey Department of Environmental Protection Equipment Inventory

Equip. NJID	Facility's Designation	Equipment Description	Equipment Type	Certificate Number	Install Date	Grand- Fathered	Last Mod. (Since 1968)	Equip. Set ID
E32	R-7149	R-4179 Part 2 Reactor	Manufacturing and Materials Handling Equipment		9/1/2017			
E33	T-7152B	T-7152B Slurry Tank	Manufacturing and Materials Handling Equipment		9/1/2017			

## New Jersey Department of Environmental Protection Control Device Inventory

Date: 9/5/2017

CD NJID	Facility's Designation	Description	CD Type	Install Date	Grand- Fathered	Last Mod. (Since 1968)	CD Set ID
CD3	SC-7154	SC-7154 Methanol Scrubber	Scrubber (Packed Tower)		No		

TROY CHEMICAL CORP (05459) PCP170004 Date: 9/5/2017

## New Jersey Department of Environmental Protection Emission Points Inventory

PT NJID	Facility's Designation	Description	Config.	Equiv. Diam.	Height (ft.)	Dist. to Prop.	Exhaust Temp. (deg. F)		Exhaust Vol. (acfm)			Discharge Direction		
None	Designation			(in.)	` ′	Line (ft)	Avg.	Min.	Max.	Avg.	Min.	Max.	Direction	Set ID
PT3	SC-7154	Methanol Scrubber Stack	Round	3	45	70	70.0	60.0	100.0	3.5	0.0	50.0	Up	
PT4	Iodine Load	Satelite Iodine Loading Exhaust	Round	9	20	70	55.0	35.0	95.0	600.0	0.0	600.0	Up	

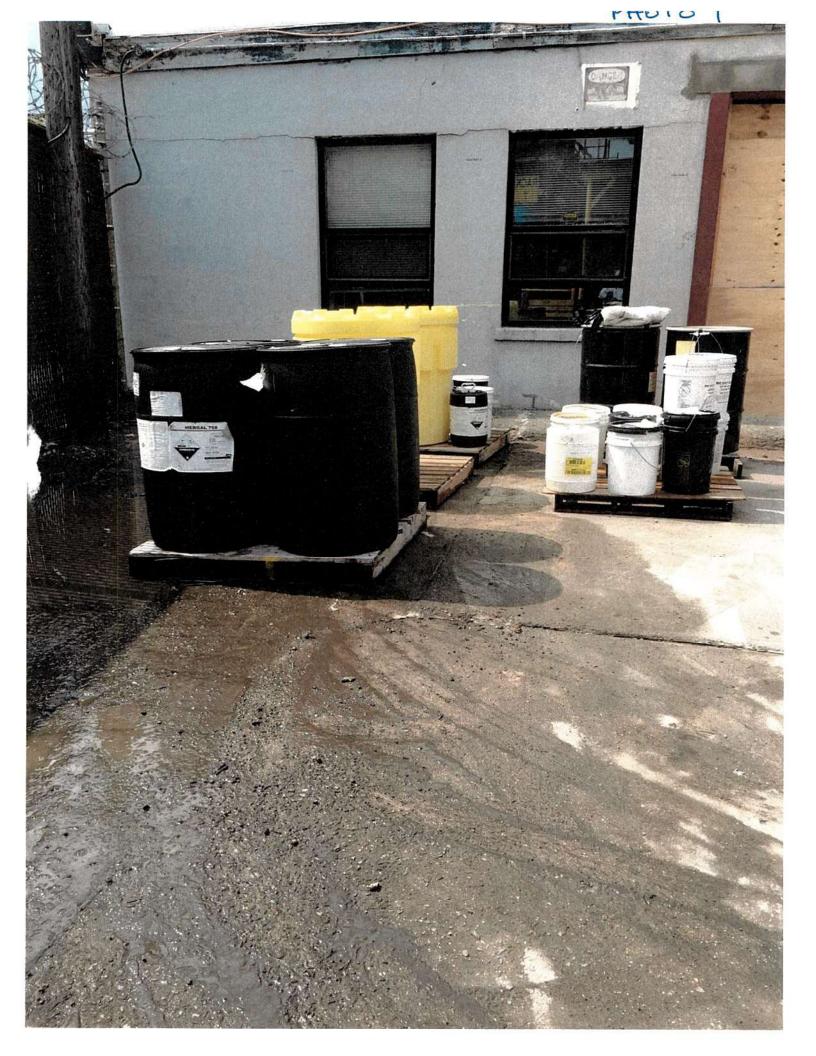
Date: 9/5/2017

### TROY CHEMICAL CORP (05459) PCP170004

## New Jersey Department of Environmental Protection Emission Unit/Batch Process Inventory

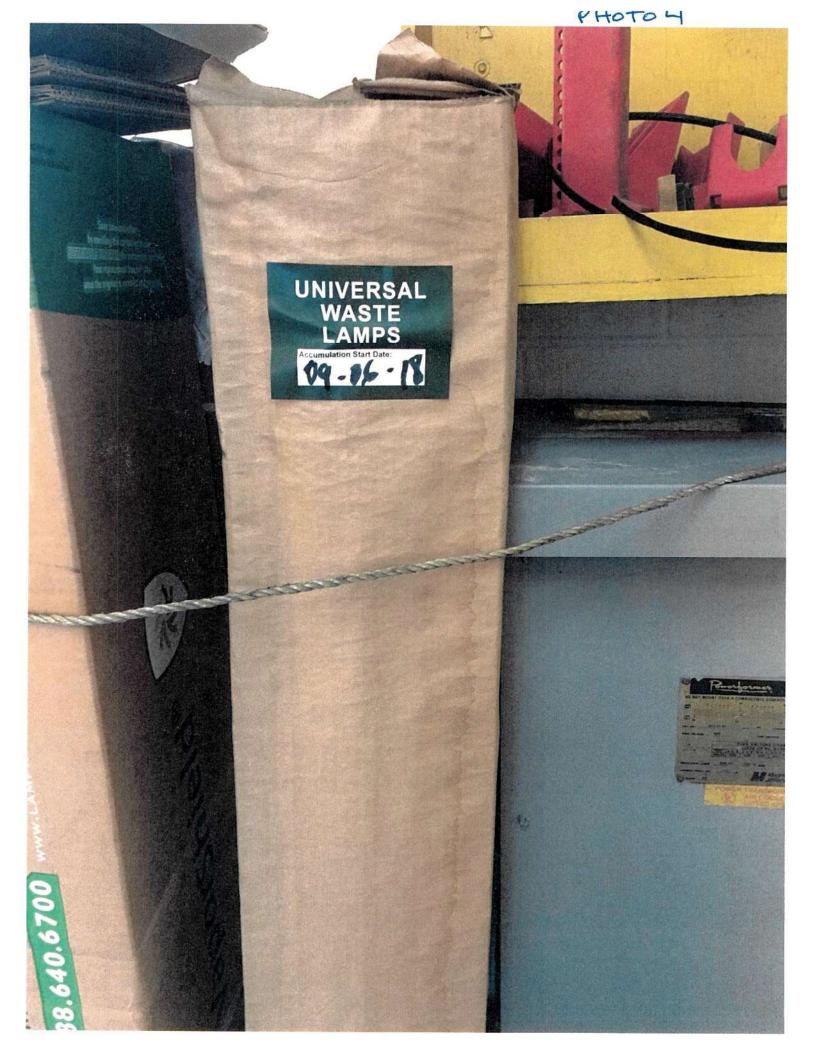
#### U 2 Meth Rec Methanol Recovery System

UOS	Facility's	UOS	Operation	Signif.	Control	Emission	SCC(s)	Annu Oper. H		VOC	Flo			mp.
NJID	Designation	Description	Type	Equip.	Device(s)	Point(s)	SCC(s)	Min.	Max.	Range	Min.	Max.	Min.	Max.
OS1	T-203	T-203 fresh methanol tank normal operation	Normal - Steady State	E20	CD3 (P)	PT3		0.0	8,760.0		0.0	4.0	0.0	50.0
OS2	T-206	T-206 recovered methanol tank normal operation	Normal - Steady State	E21	CD3 (P)	PT3		0.0	8,760.0		0.0	2.0	0.0	50.0
OS3	R-7149	R-7149 Part 2 Reactor Normal Operation	Normal - Steady State	E32	CD3 (P)	PT3 PT4		0.0	8,760.0	A	0.0	100.0	0.0	70.0
OS4	24" Frac	24" Fractionator normal operation	Normal - Steady State	E23	CD3 (P)	PT3		0.0	8,760.0		0.0	3.0	0.0	100.0
OS5	36" Frac	36" Fractionator normal operation	Normal - Steady State	E24	CD3 (P)	PT3		0.0	8,760.0		0.0	3.2	0.0	50.0
OS6	T-7152B	T-7152B Slurry Tank Normal Operation	Normal - Steady State	E33	CD3 (P)	PT3		0.0	8,760.0	A	0.0	100.0	0.0	40.0
OS7	T-7115	T-7115 mother liquor water rinse tank normal operation	Normal - Steady State	E26	CD3 (P)	PT3		0.0	8,760.0		0.0	4.4	0.0	50.0
OS8	T-7119	T-7119 mother liquor tank normal operation	Normal - Steady State	E27	CD3 (P)	PT3		0.0	8,760.0		0.0	1.0	0.0	50.0
OS9	T-7141D	1500 gallon receiver normal operation	Normal - Steady State	E28	CD3 (P)	PT3		0.0	8,760.0		0.0	1.0	0.0	50.0
OS11	Iodine Load3	Iodine Feed Hopper	Normal - Steady State	E30		PT4	3-01-830-01	0.0	8,760.0	A	0.0	600.0	35.0	95.0
OS12	R-7102	R7102 Reactor 1,500gal normal operation	Normal - Steady State	E31	CD3 (P)	PT3 PT4		0.0	8,760.0	В	0.0	3.7	0.0	80.0









PHOTO

ND/OR STATE LAWS IND, CONTACT THE NEAD INT, THE U.S. ENVIRONME ERSEY DEPARTMENT OF FORMATION:  CHEMICAL CHEMICA	WETHALOL, IPA, ACU, HO.  FGNITABLE TOXIC  D.O.T. PROPER SHIPPING NAME AND UN OR NA NO. WITH PRED.
FEDERAL AND/OR STATE OF THE U.S. EN NEW JERSEY DEPARTOR INFORMATION:  NAME TROY CHEM.  ADDRESS ( AUC.  CITY AUC.  EPA. ID NO.  ACCUMULATION	METHAN D.O.T. PROPI
	TAN AT AT A



## TROY

# **EMERGENCY SPILLS-ACTIONS**

## What do you do?

- First, ensure your own personal safety!
- If it is safe to do so, attempt to stop the release at its source (i.e., close valves, upright drums, etc.)
- Take action to prevent the spill from entering drains/trenches and to minimize the area affected by using the spill materials located in the spill kits.
- Contact supervisor or SHE Department-(page or call from list below)
- If necessary, perform additional cleanup

Site Personnel	Troy Extension	Cell		
Production Supervisor	x3346	973-296-2231		
Plant Security	x3343	973-277-4916		
Plant Manager (Rob Zedeck)	x3373	973-610-4821		
Environmental (Bill Reilley)	x3254	973-508-4628		
Safety (Jim Manzella)	x3342	973-224-3525		
SHE Director (Donn Hirschmann)	x3386	973-307-6977		

Plant Paging System	ALCOHOLD PARTY
Dial 5555; wait for beep and then speak	
Nearest phone- Building 56	THE RESERVE TO SERVE THE RESERVE THE

